

APPENDIX E

Comparison of Preliminary Contaminant of Interest Concentrations by River Reach

Comparison of Preliminary Contaminant of Interest Concentrations by River Reach

This appendix contains the following figures:

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- E-77 Mean Concentration of Arsenic by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 300 $\mu\text{g}/\text{kg}$
- E-78 Mean Concentration of Barium by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 1450 $\mu\text{g}/\text{kg}$
- E-79 Mean Concentration of Cadmium by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 130 $\mu\text{g}/\text{kg}$

- E-80 Mean Concentration of Chromium by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 1150 µg/kg
- E-81 Mean Concentration of Copper in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 1750 µg/kg
- E-82 Mean Concentration of Iron in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 29,000 µg/kg
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- E-84 Mean Concentration of Nickel in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 430 µg/kg
- E-85 Mean Concentration of Selenium in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals
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- E-90 Mean Concentration of TCDF in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals

FIGURE E-1
 Mean Concentrations of Aluminum in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RIFS

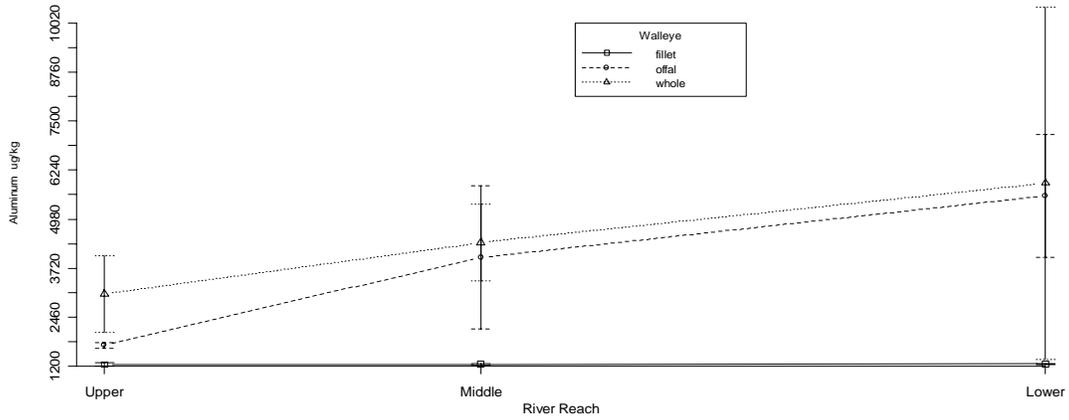


FIGURE E-2
 Mean Concentrations of Arsenic in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RIFS

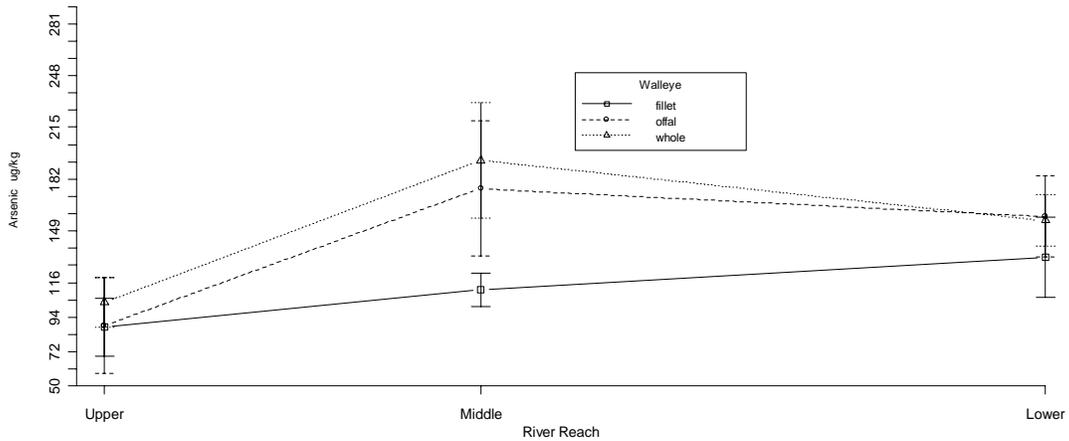


FIGURE E-3
Mean Concentrations of Barium in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

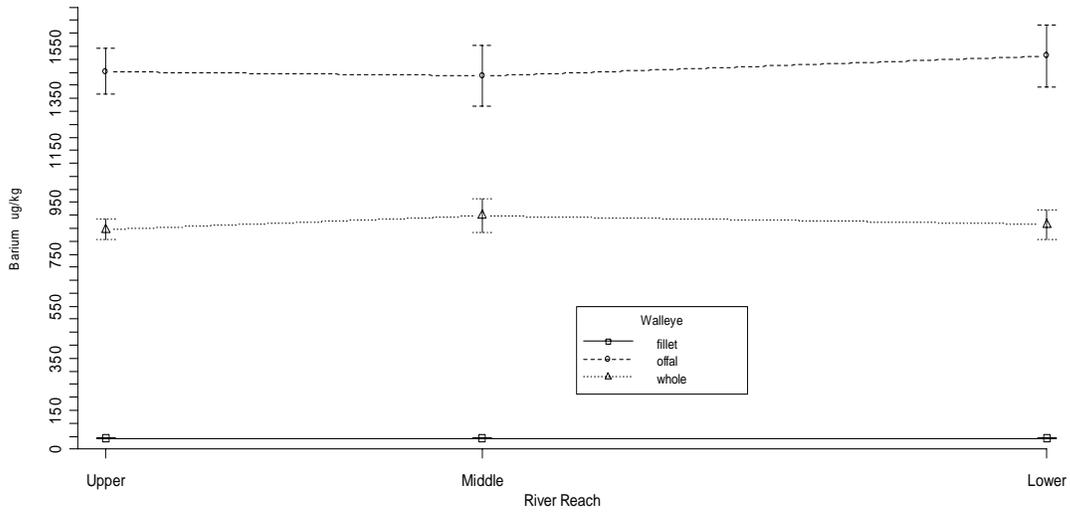


FIGURE E-4
Mean Concentrations of Cadmium in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

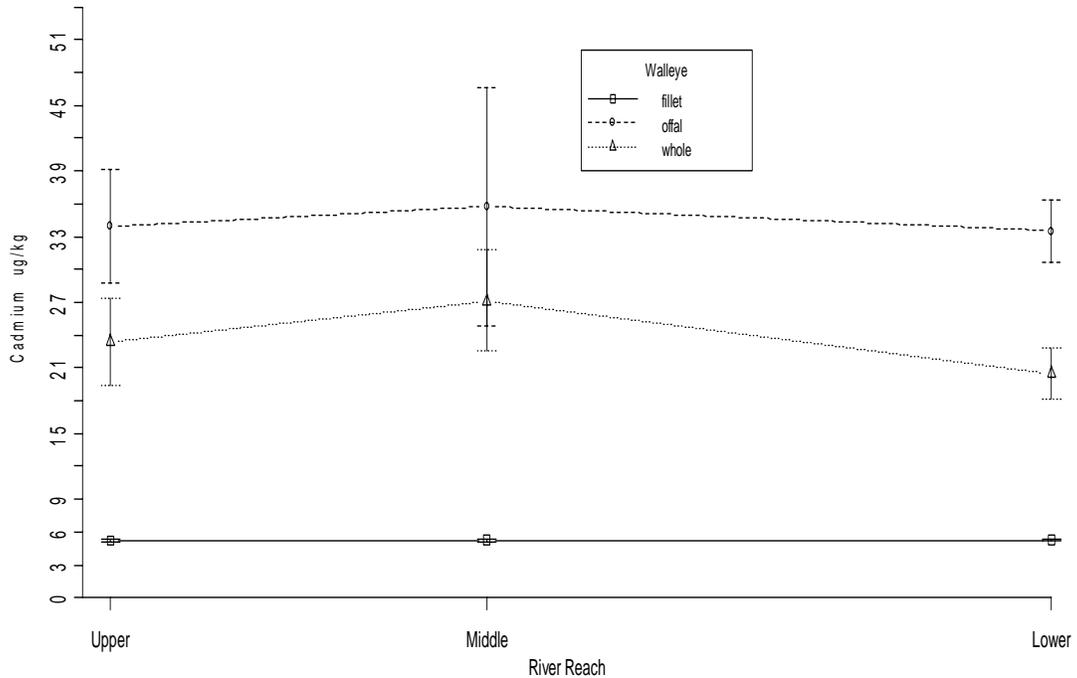


FIGURE E-5
Mean Concentrations of Chromium in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

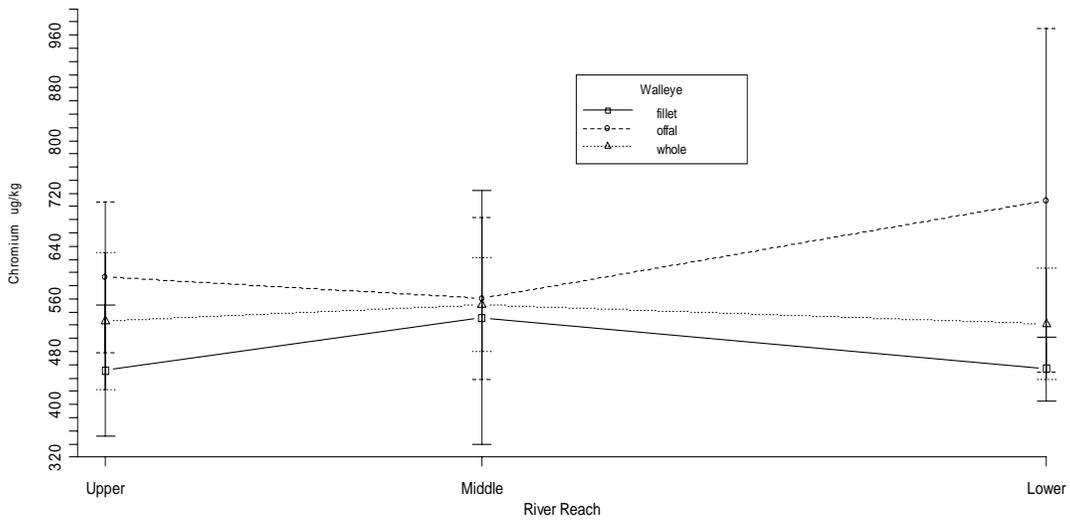


FIGURE E-6
Mean Concentrations of Copper in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

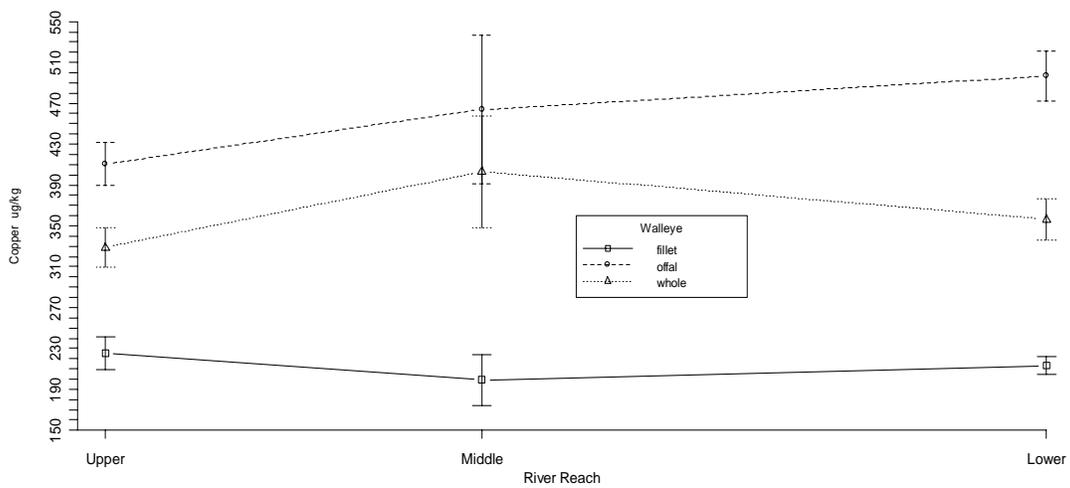


FIGURE E-7
Mean Concentrations of Iron in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

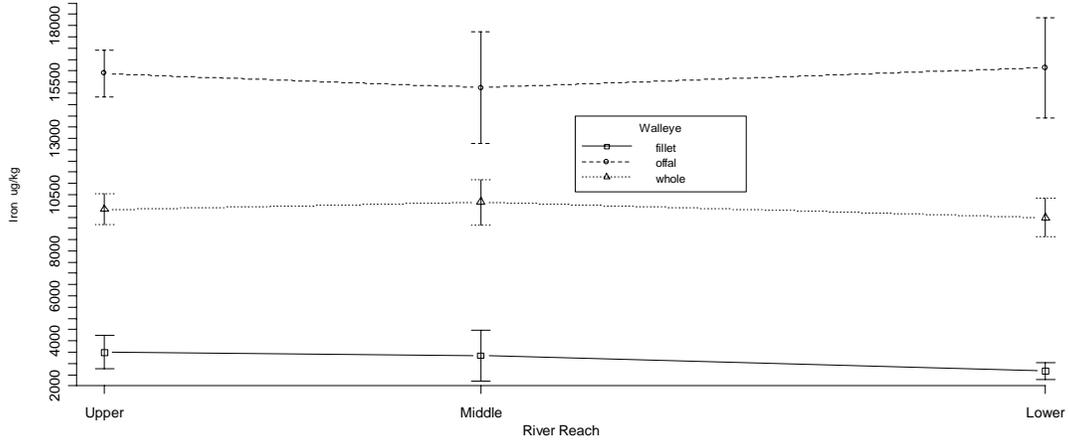


FIGURE E-8
Mean Concentrations of Lead in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

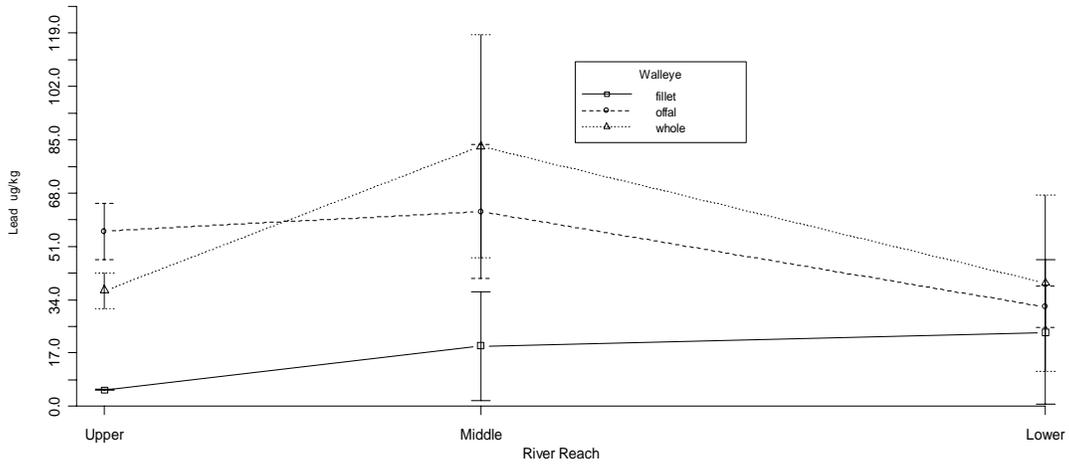


FIGURE E-9
Mean Concentrations of Nickel in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

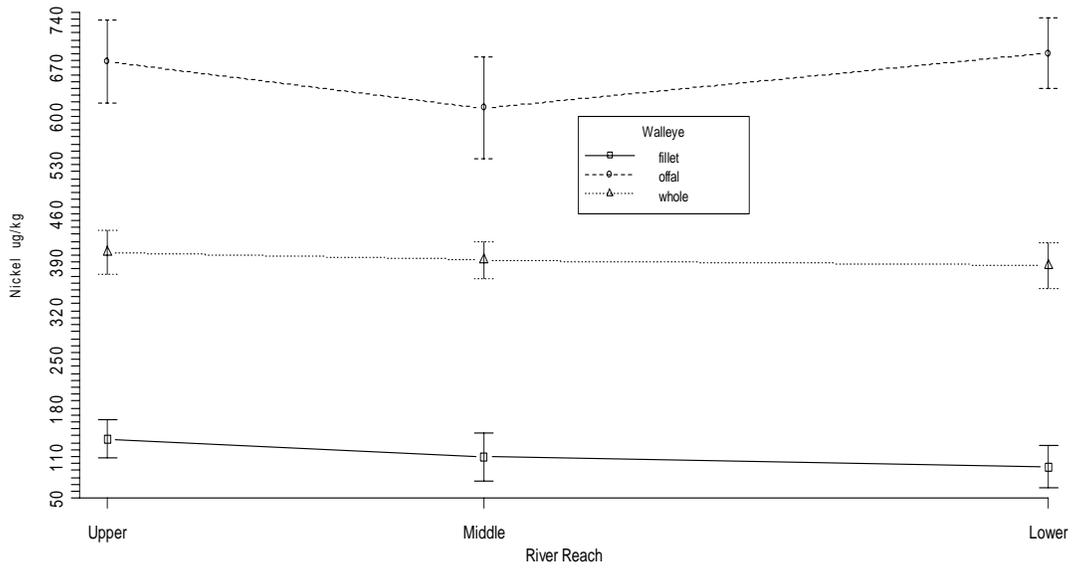


FIGURE E-10
Mean Concentrations of Selenium in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

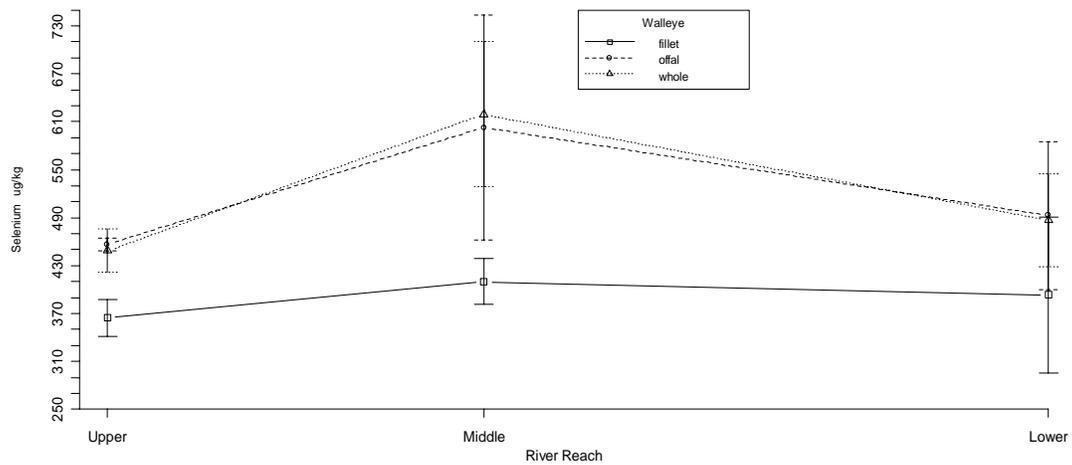


FIGURE E-11
Mean Concentrations of Uranium in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

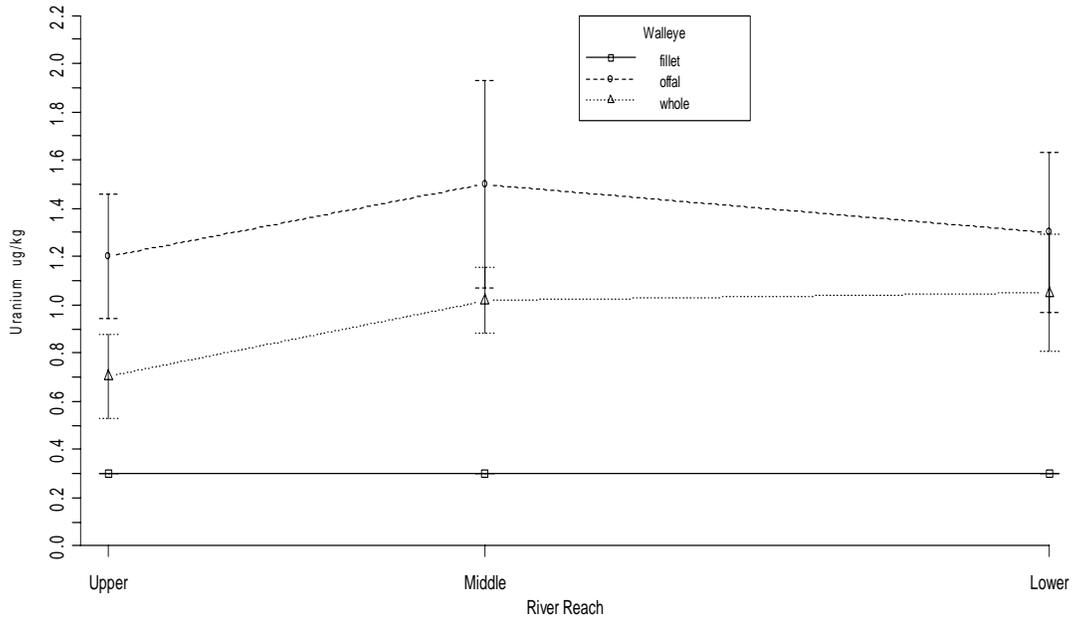


FIGURE E-12
Mean Concentrations of Zinc in Walleye River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

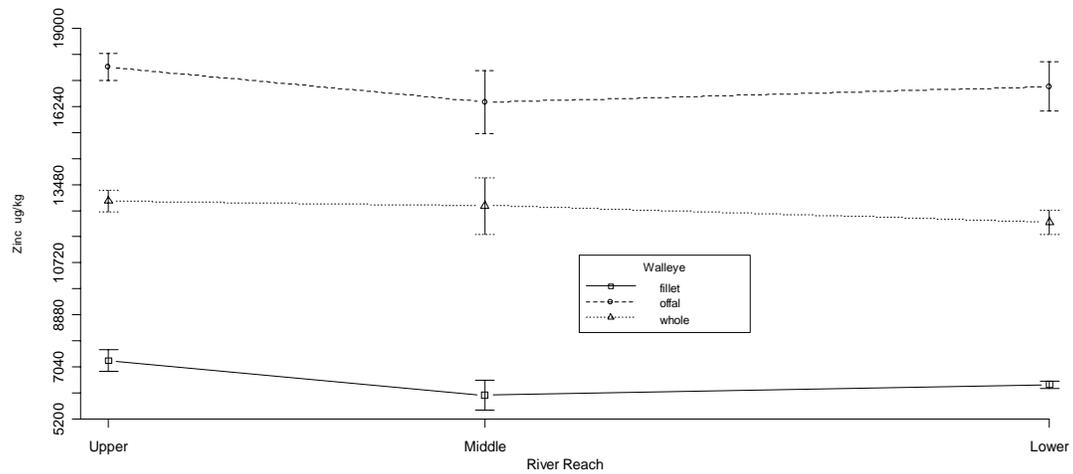


FIGURE E-13
Mean Concentrations of Mercury in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

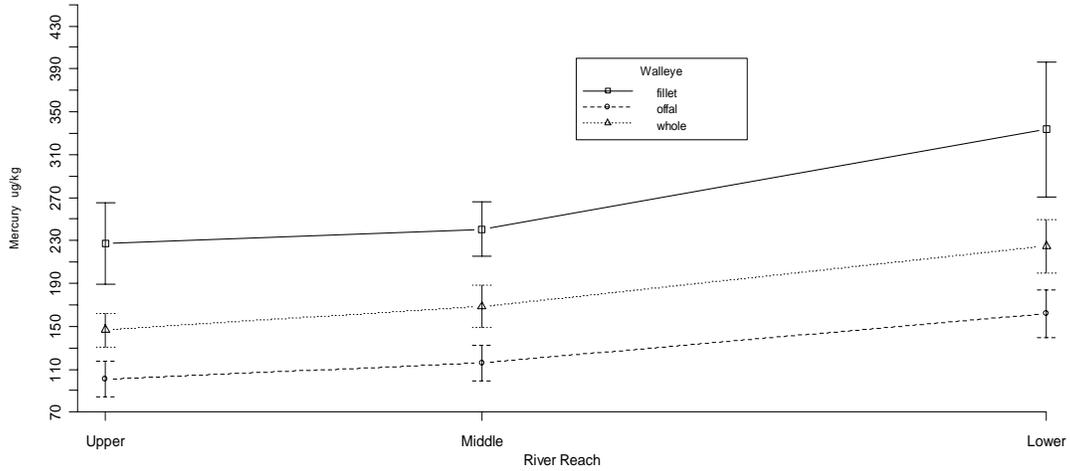


FIGURE E-14
Mean Concentrations of Total PCB in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

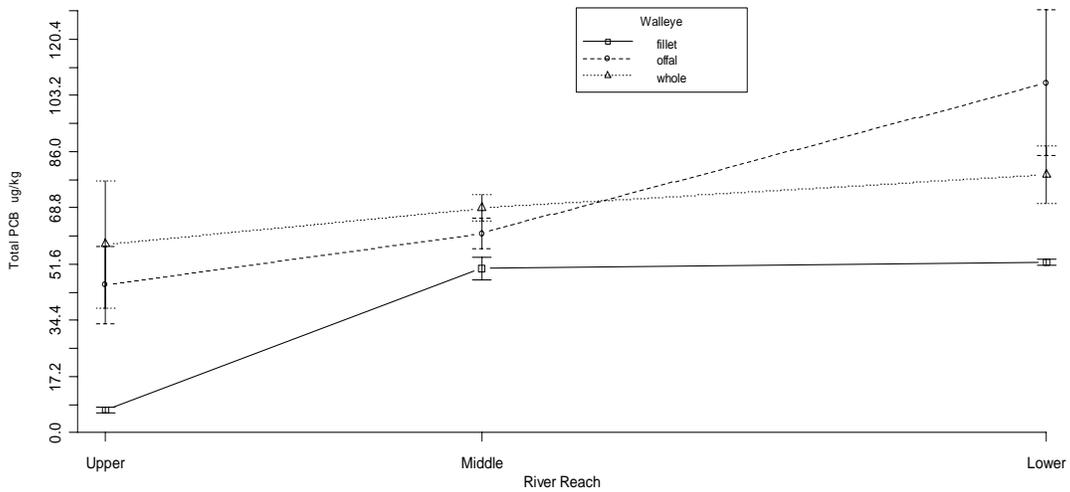


FIGURE E-15
 Mean Concentrations of TCDF in Walleye by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals by Tissue Type
Upper Columbia River RI/FS

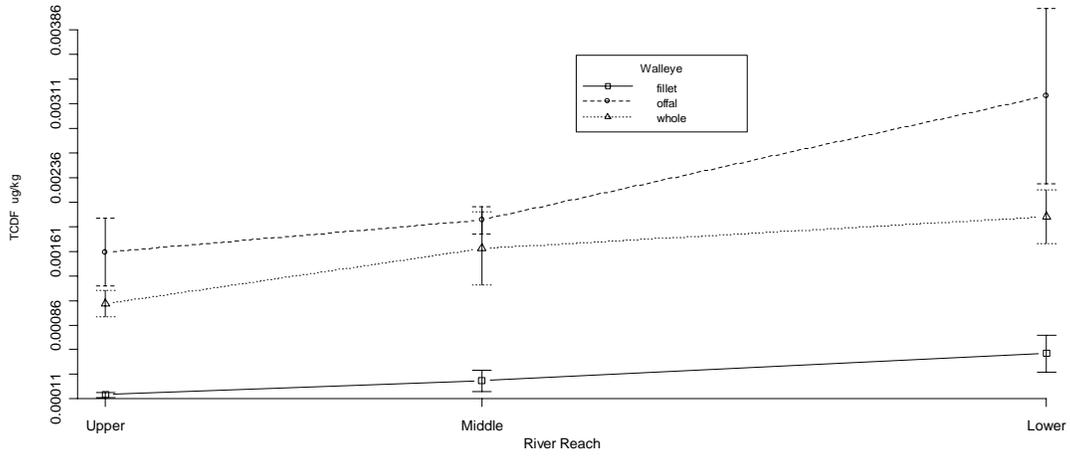


FIGURE E-16
 Mean Concentrations of Aluminum in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

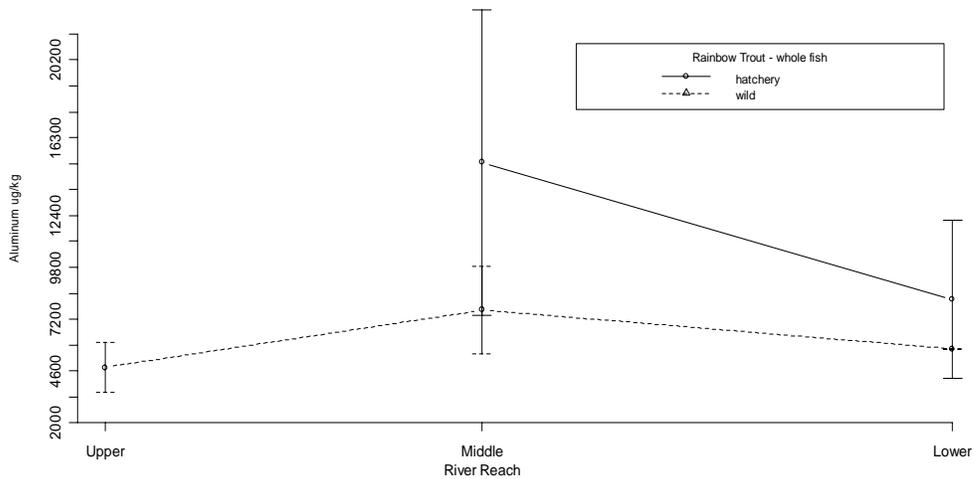


FIGURE E-17
 Mean Concentrations of Arsenic in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower)
 and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

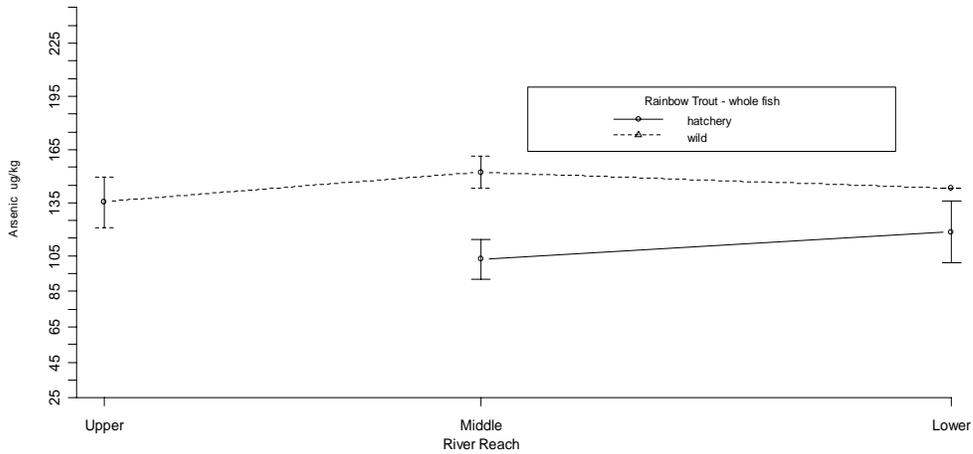


FIGURE E-18
 Mean Concentrations of Barium in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower)
 and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

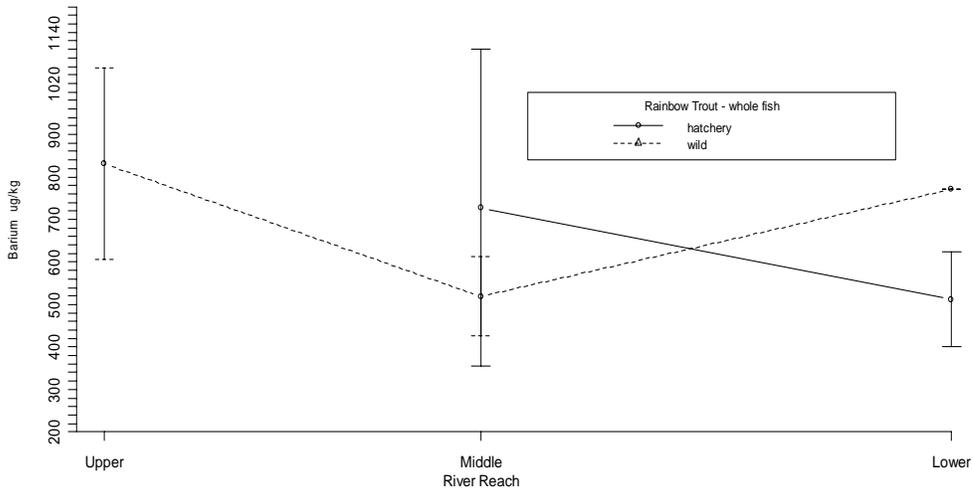


FIGURE E-19
Mean Concentrations of Cadmium in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower)
and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

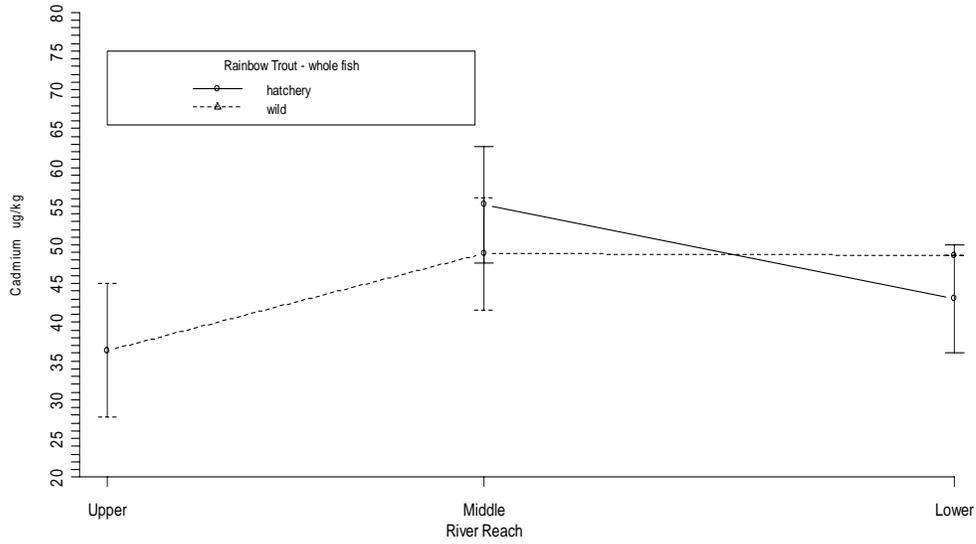


FIGURE E-20
Mean Concentrations of Chromium in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower)
and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

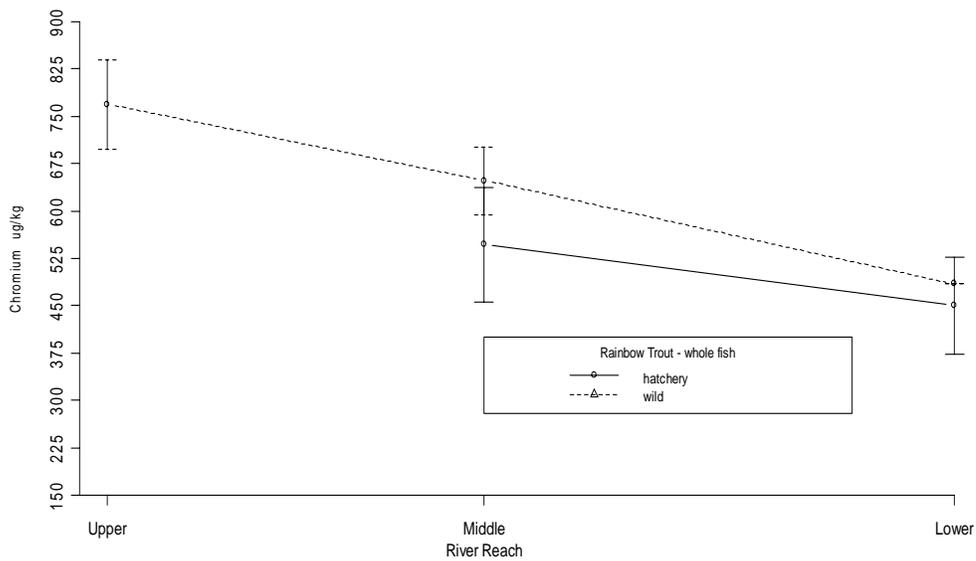


FIGURE E-21
Mean Concentrations of Copper in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

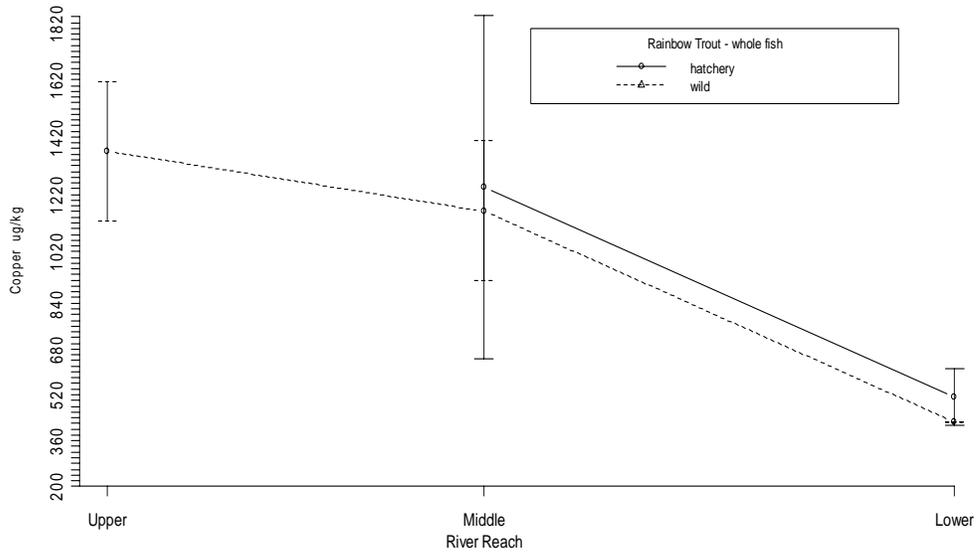


FIGURE E-22
Mean Concentrations of Iron in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

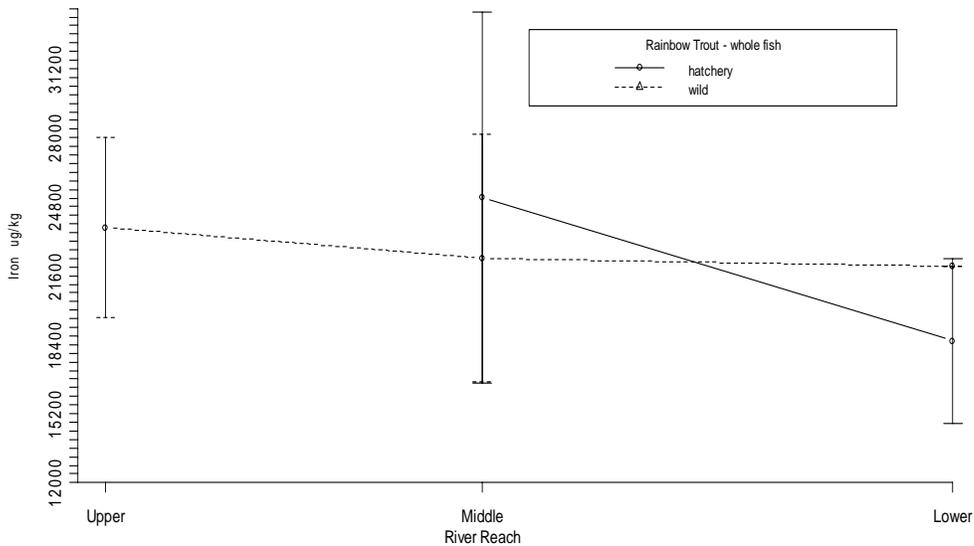


FIGURE E-23
Mean Concentrations of Lead in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

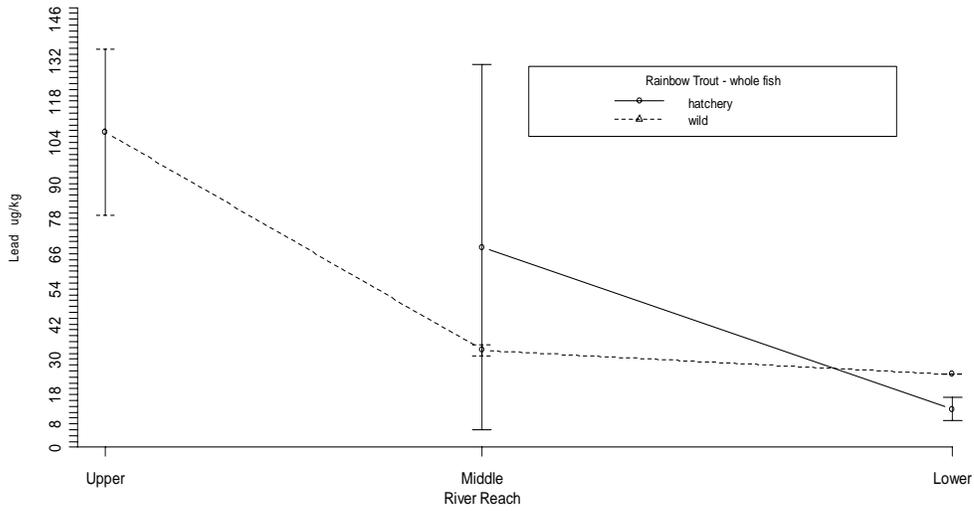


FIGURE E-24
Mean Concentrations of Nickel in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

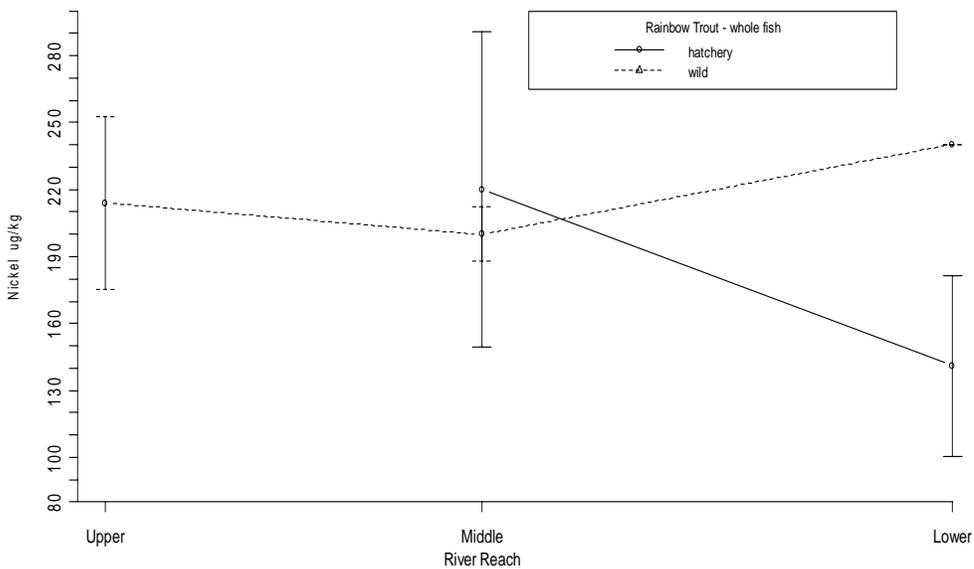


FIGURE E-25
Mean Concentrations of Selenium in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

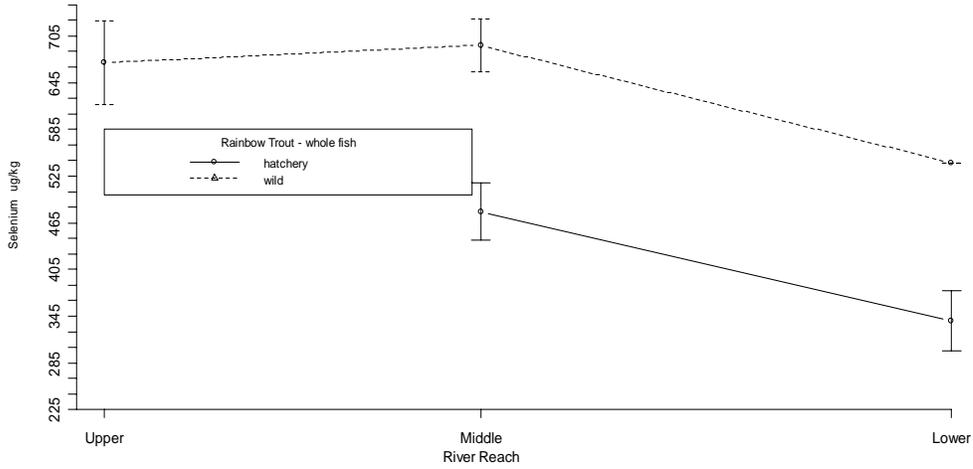


FIGURE E-26
Mean Concentrations of Uranium in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

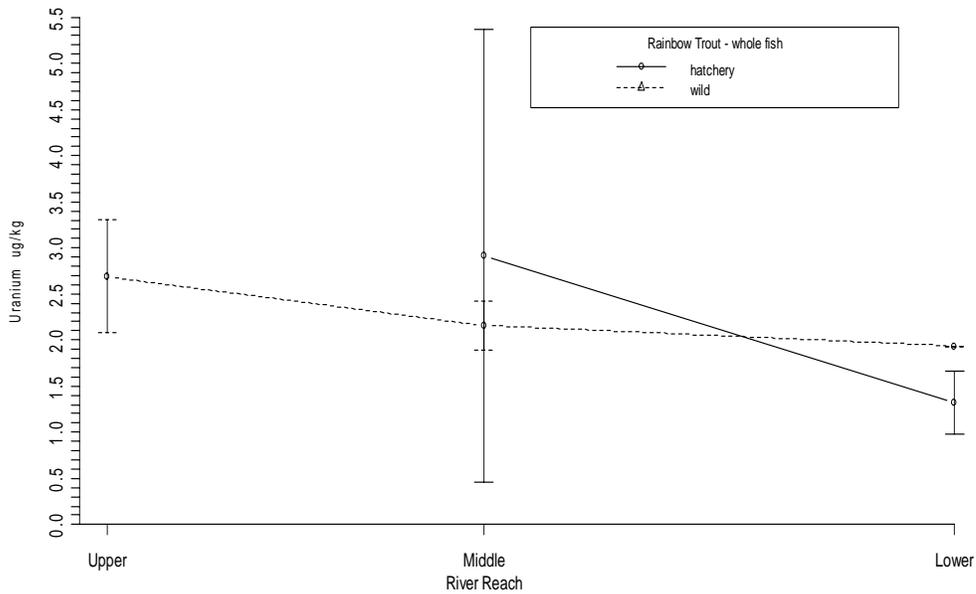


FIGURE E-27

Mean Concentrations of Zinc in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

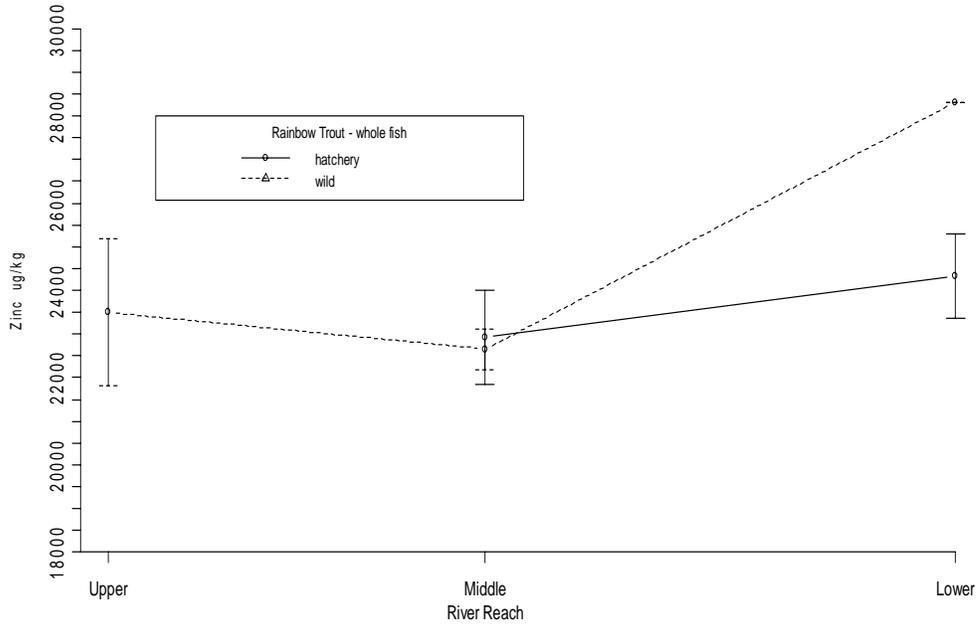


FIGURE E-28

Mean Concentrations of Mercury in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

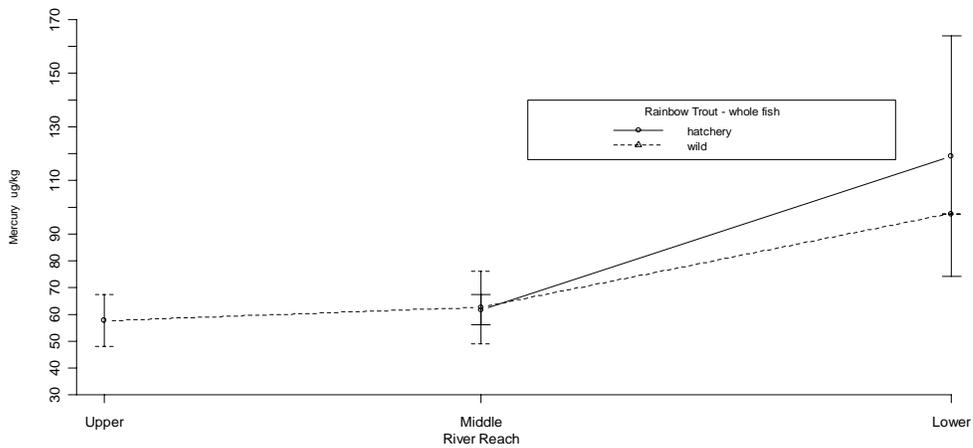


FIGURE E-29
 Mean Concentrations of Total PCB in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

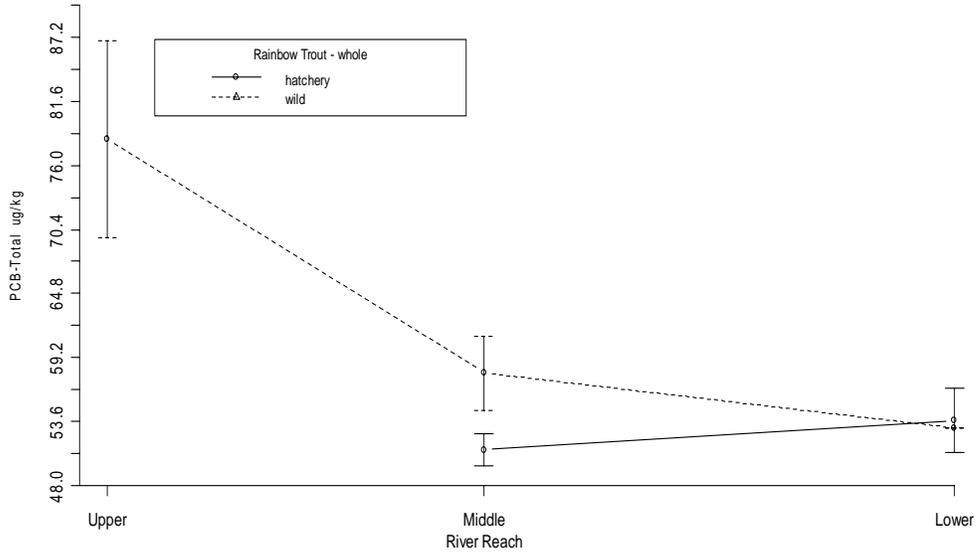


FIGURE E-30
 Mean Concentrations of TCDF in Whole Hatchery and Wild Rainbow Trout by River Reach (Upper, Middle, and Lower) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

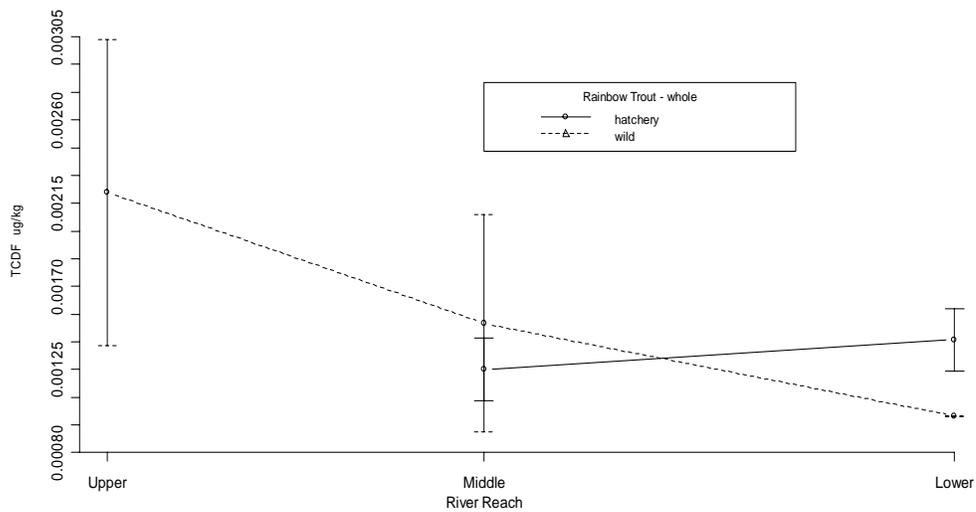


FIGURE E-31

Mean Concentration of Aluminum in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

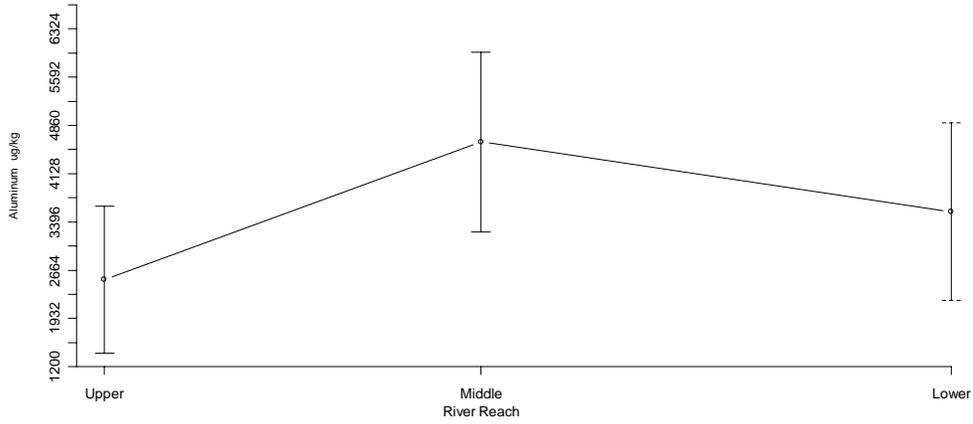


FIGURE E-32

Mean Concentration of Arsenic in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

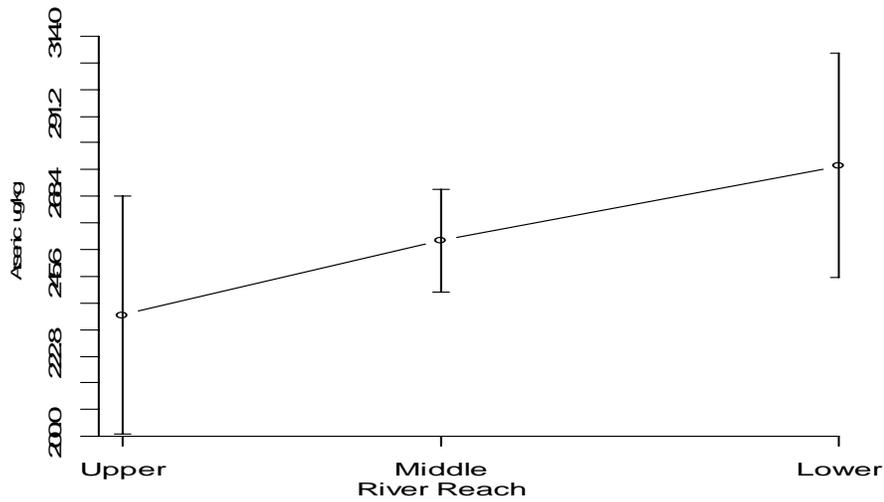


FIGURE E-33
Mean Concentration of Barium in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

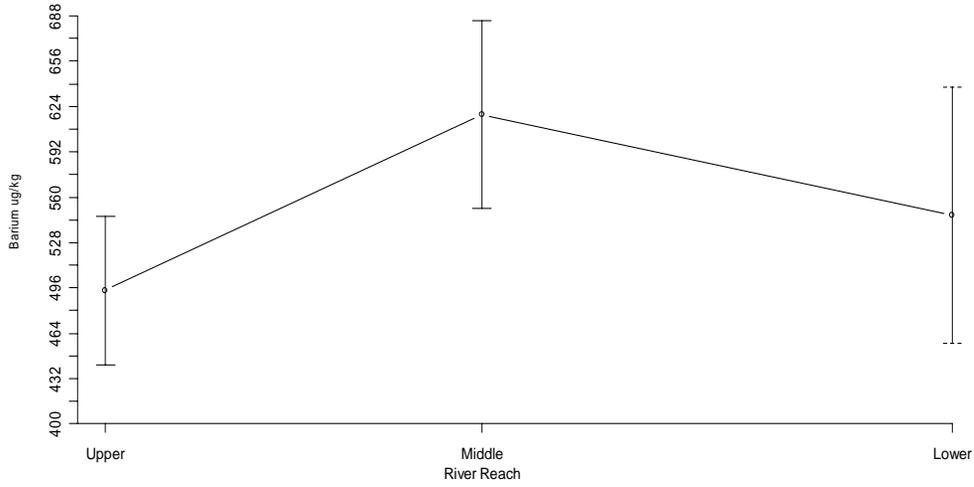


FIGURE E-34
Mean Concentration of Cadmium in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

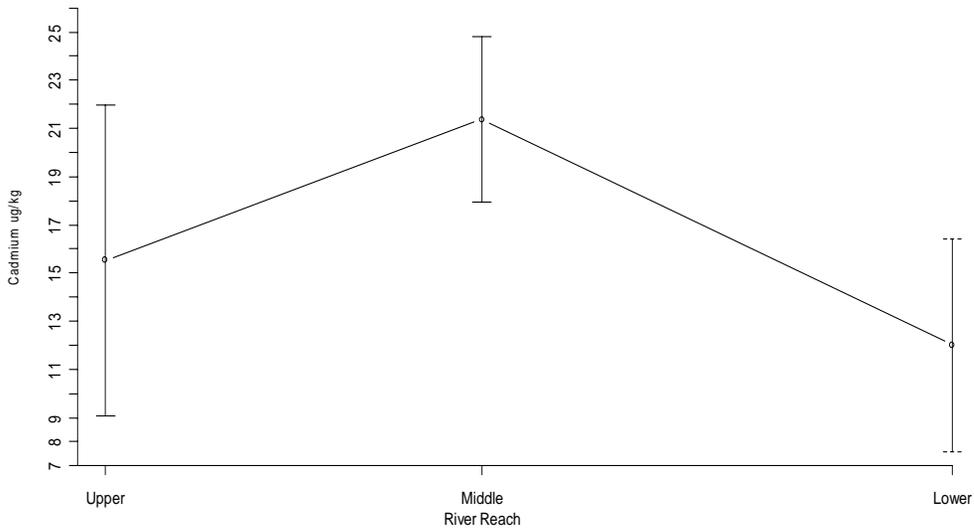


FIGURE E-35

Mean Concentration of Chromium in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

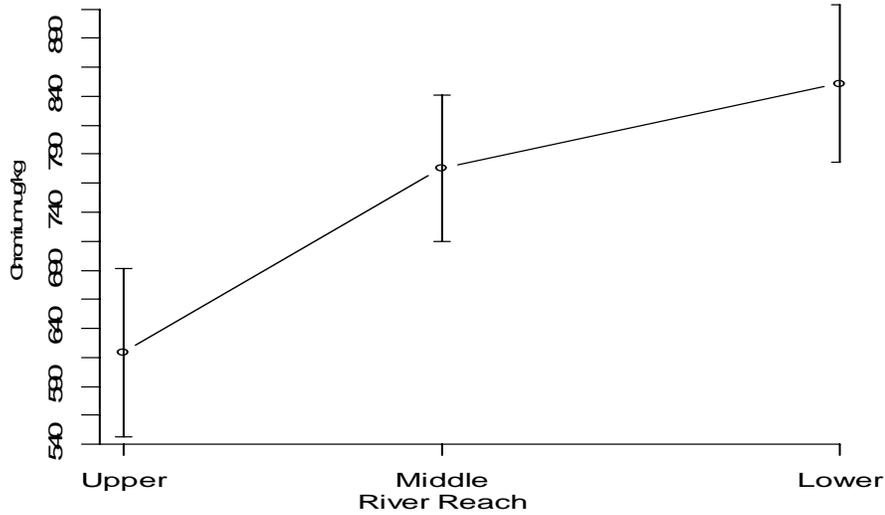


FIGURE E-36

Mean Concentration of Copper in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

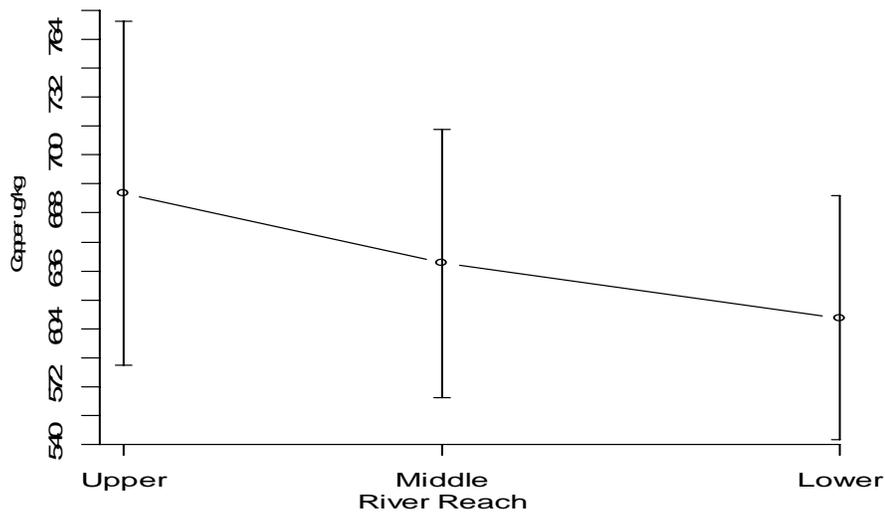


FIGURE E-37
Mean Concentration of Iron in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

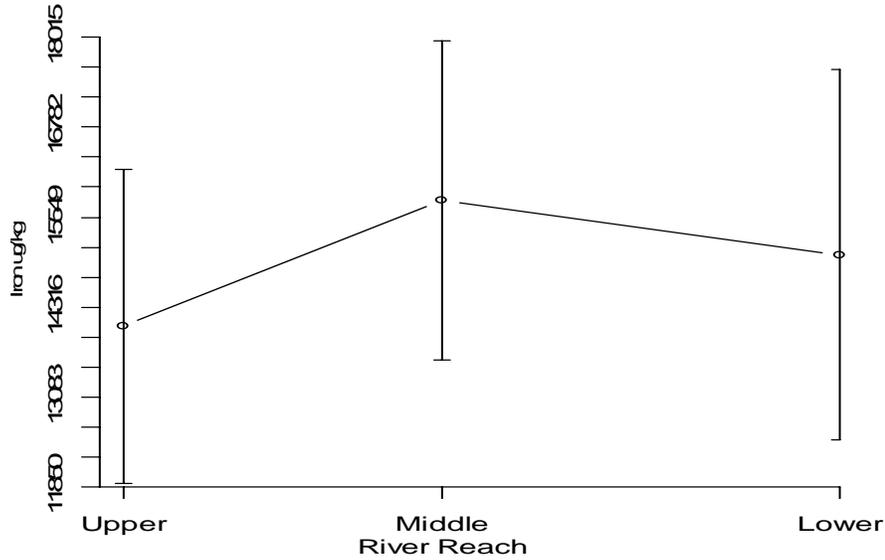


FIGURE E-38
Mean Concentration of Lead in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

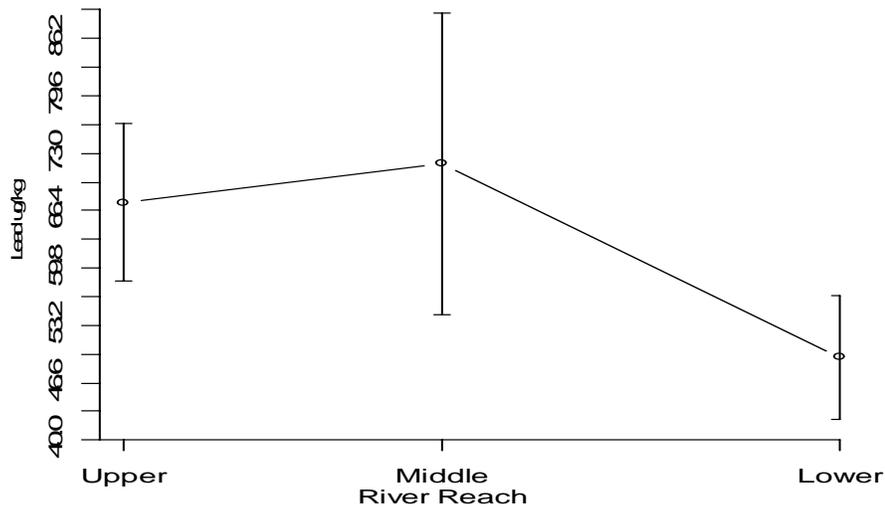


FIGURE E-39
Mean Concentration of Nickel in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

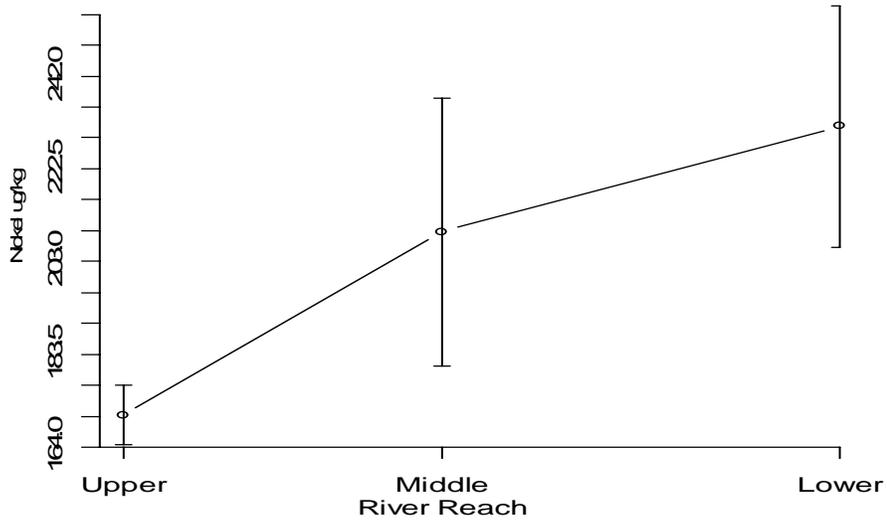


FIGURE E-40
Mean Concentration of Selenium in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

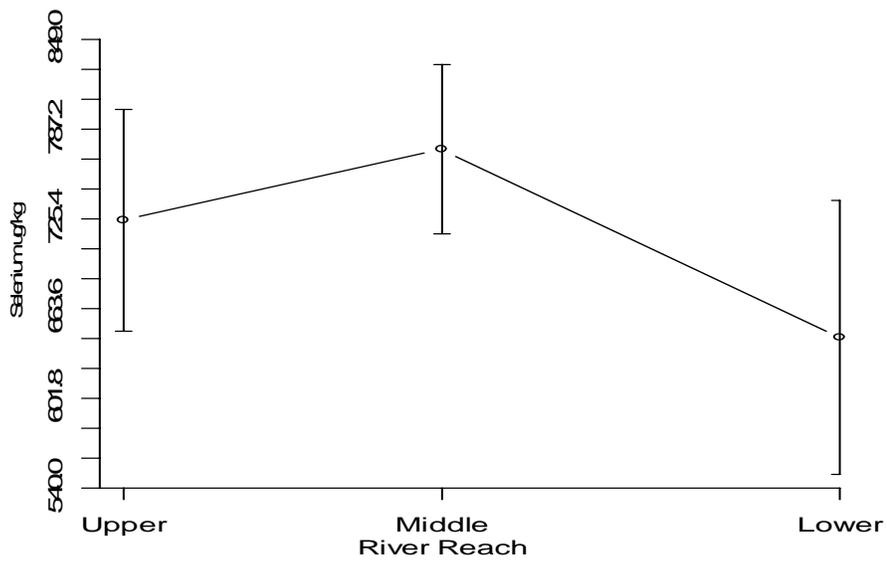


FIGURE E-41
Mean Concentration of Uranium in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

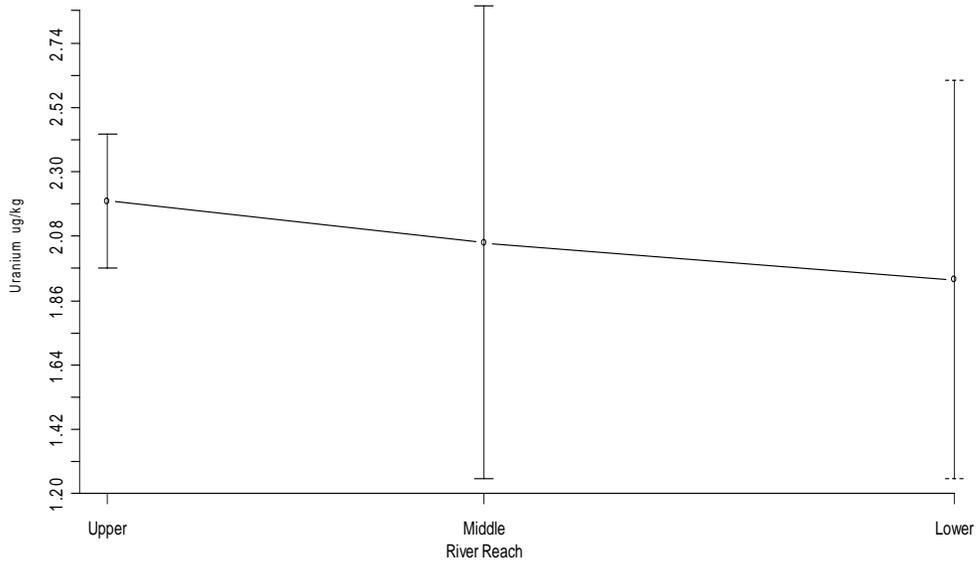


FIGURE E-42
Mean Concentration of Zinc in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

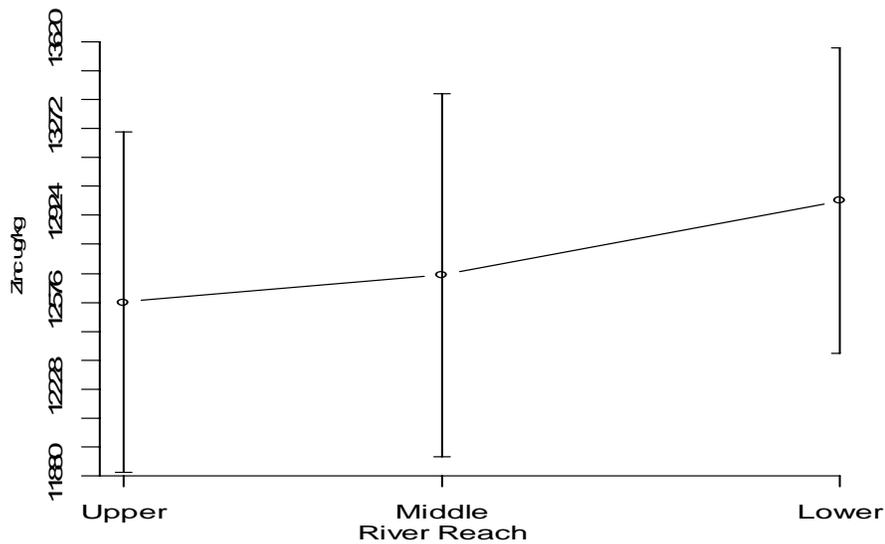


FIGURE E-43

Mean Concentration of Mercury in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

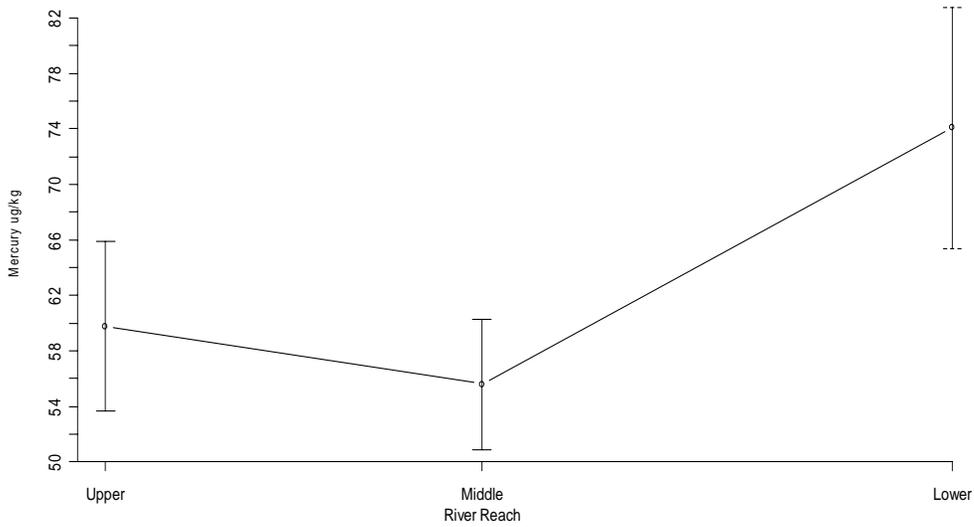


FIGURE E-44

Mean Concentration of Total PCB in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

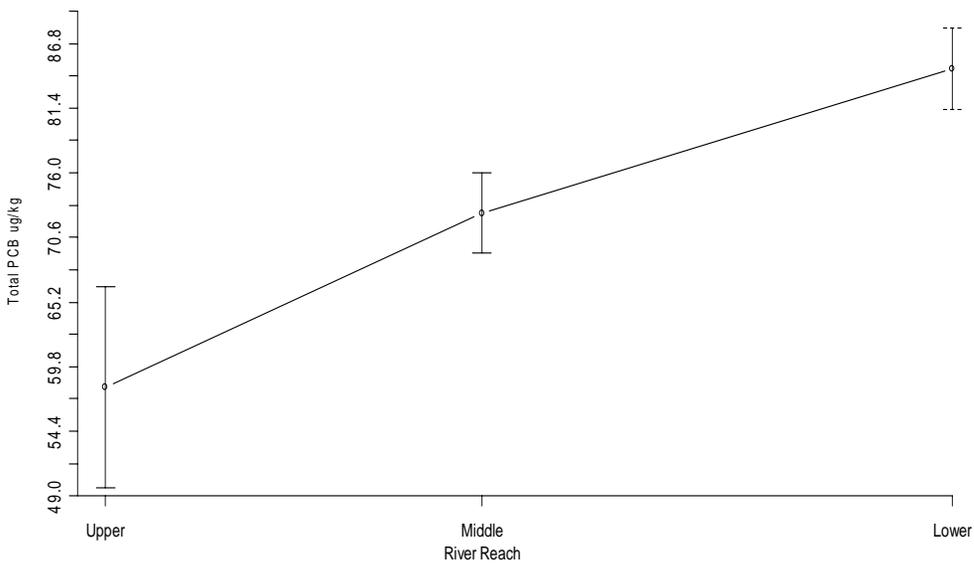


FIGURE E-45
Mean Concentration of TCDF in Whole Lake Whitefish by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

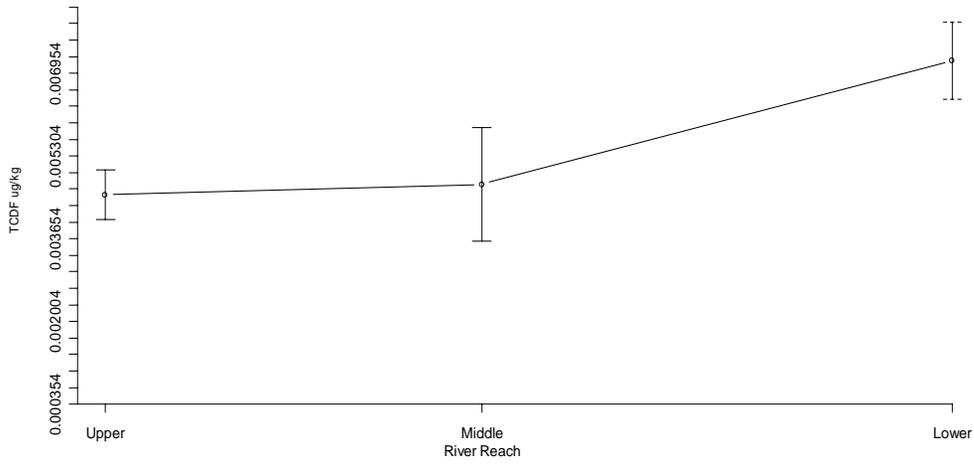


FIGURE E-46
Mean Concentration of Aluminum in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

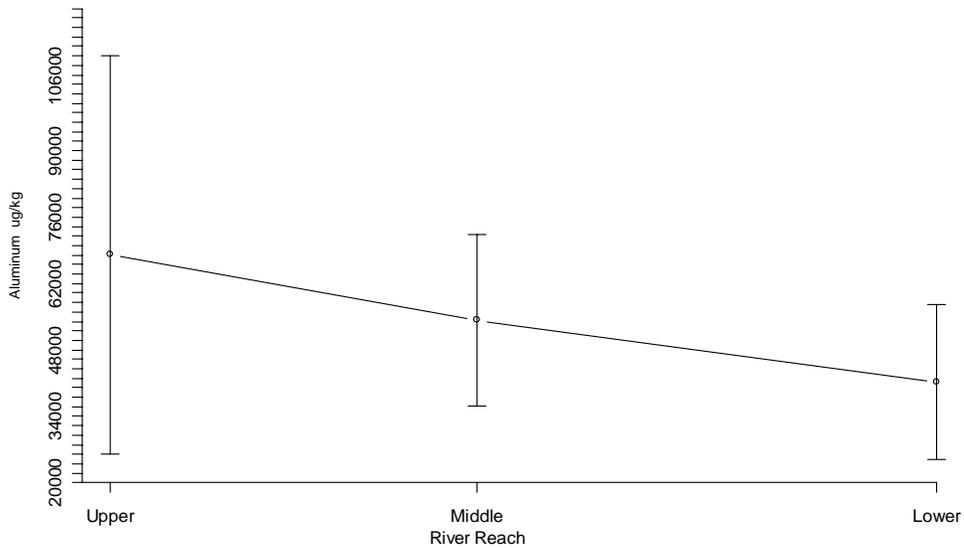


FIGURE E-47
Mean Concentration of Arsenic in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

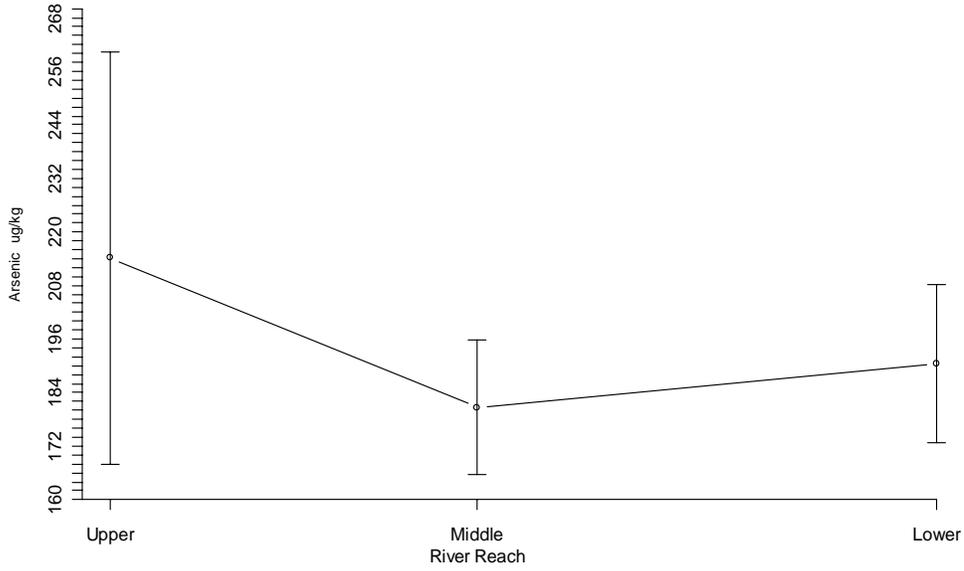


FIGURE E-48
Mean Concentration of Barium in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

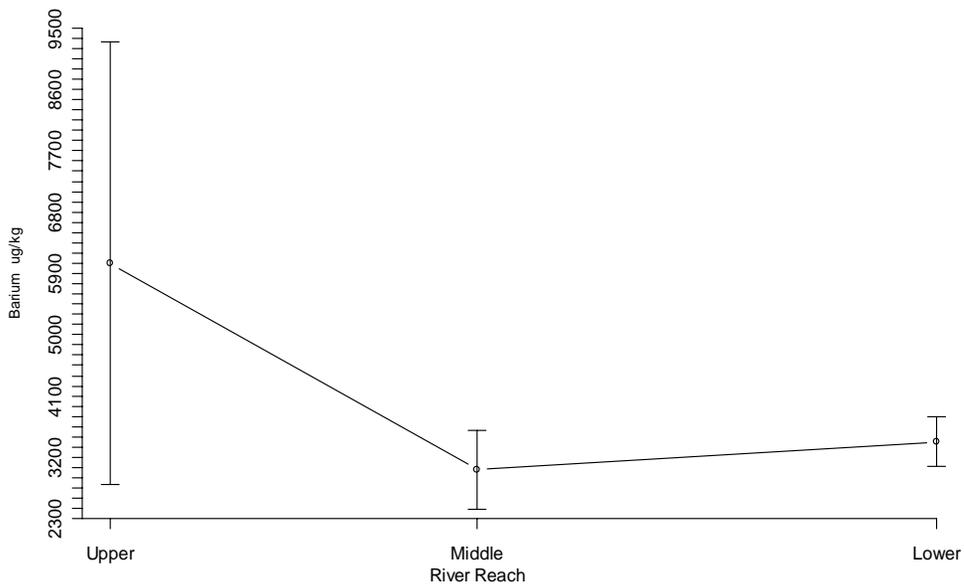


FIGURE E-49
Mean Concentration of Cadmium in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

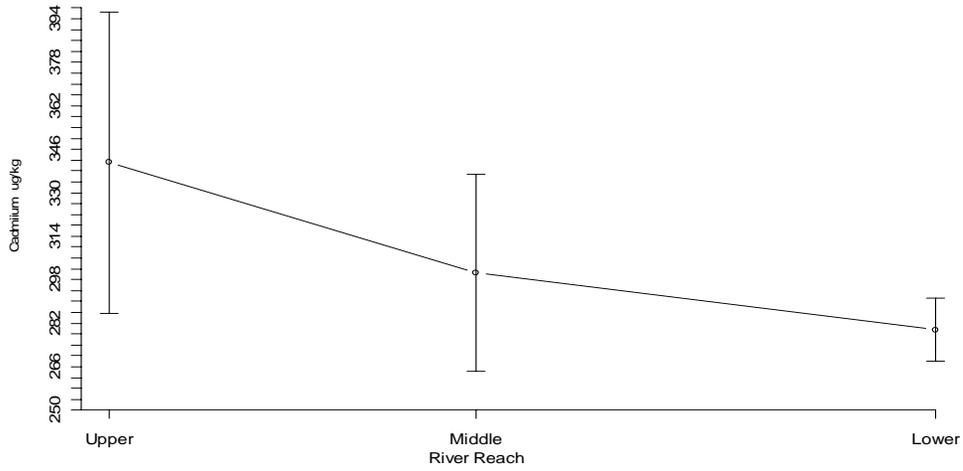


FIGURE E-50
Mean Concentration of Chromium in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

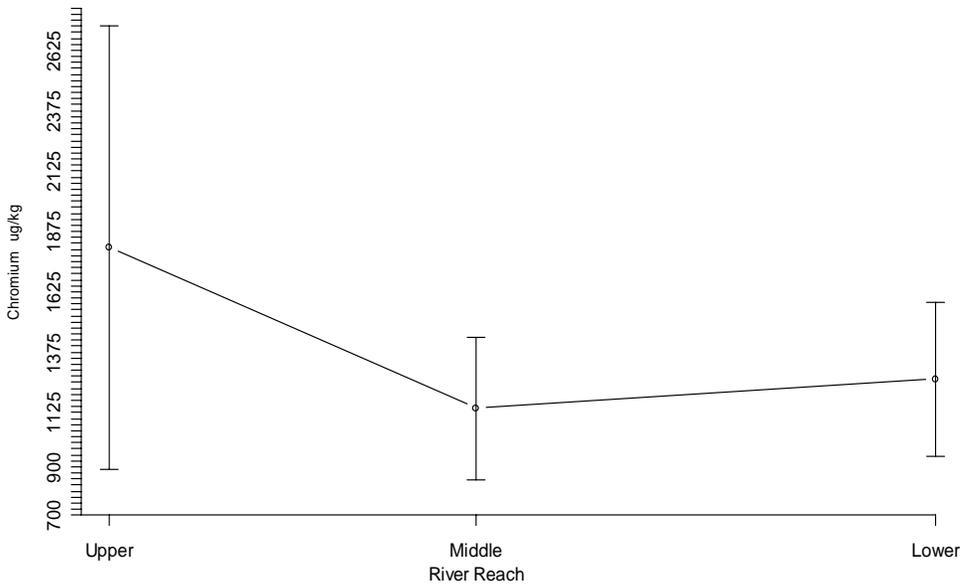


FIGURE E-51

Mean Concentration of Copper in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

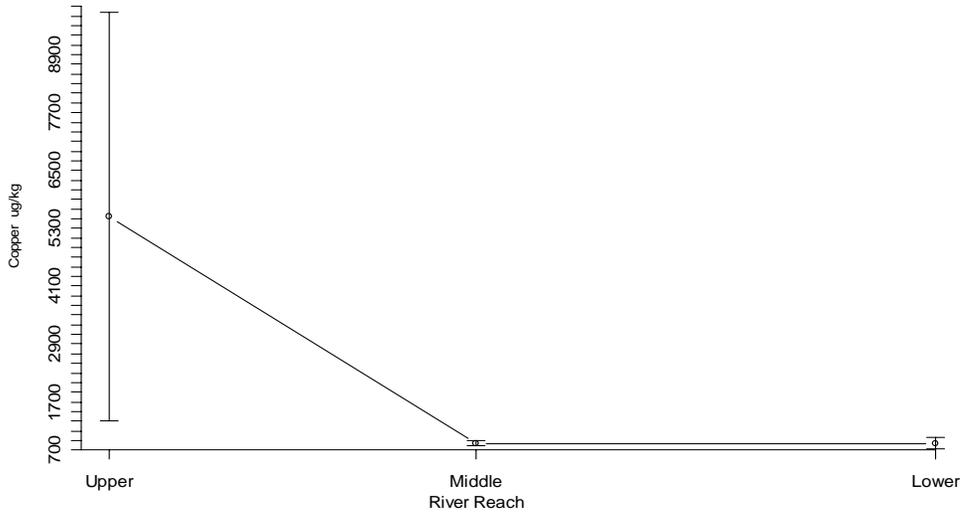


FIGURE E-52

Mean Concentration of Iron in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

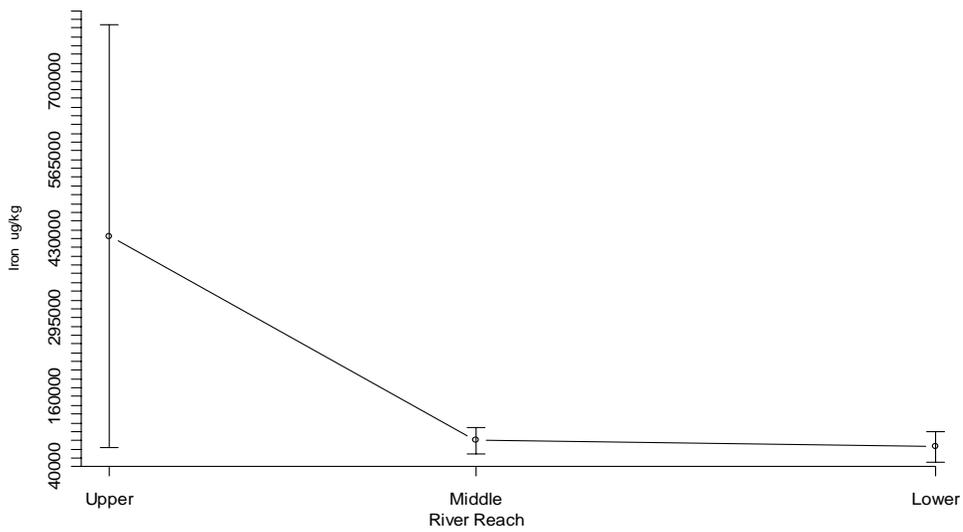


FIGURE E-53

Mean Concentration of Lead in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

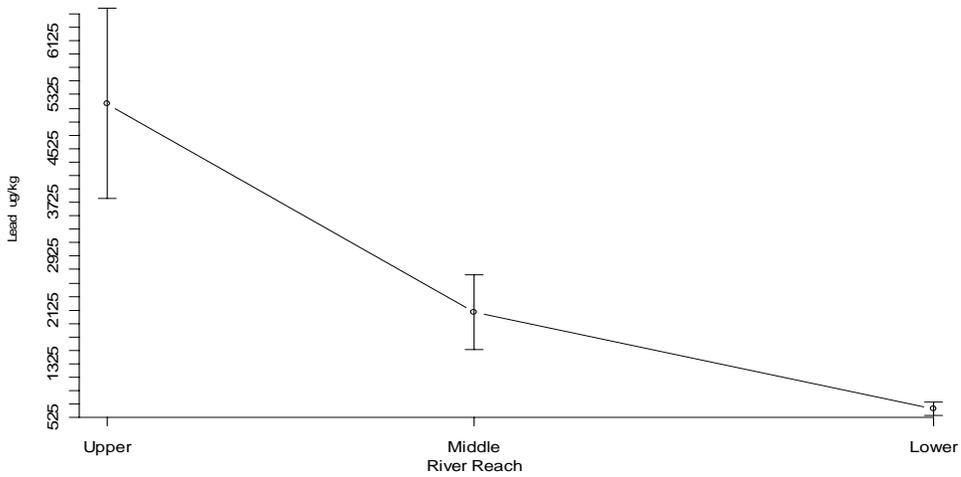


FIGURE E-54

Mean Concentration of Nickel in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

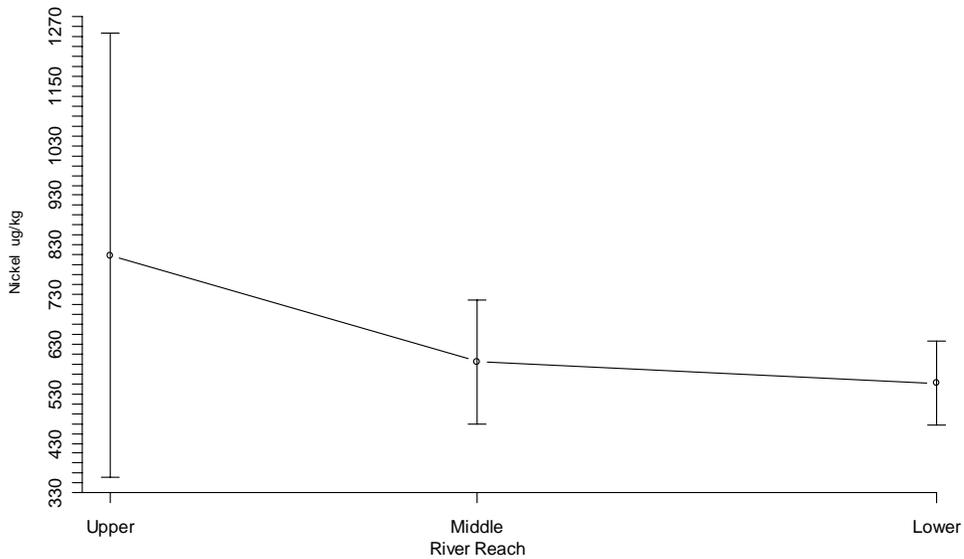


FIGURE E-55
Mean Concentration of Selenium in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

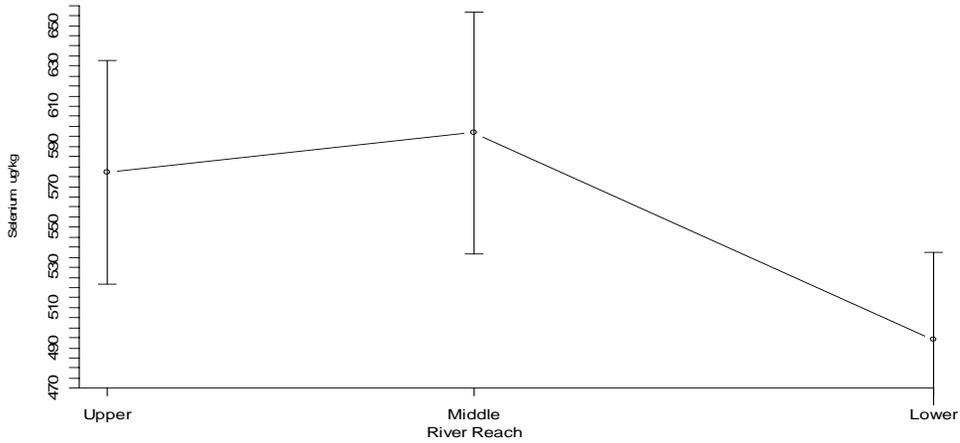


FIGURE E-56
Mean Concentration of Uranium in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

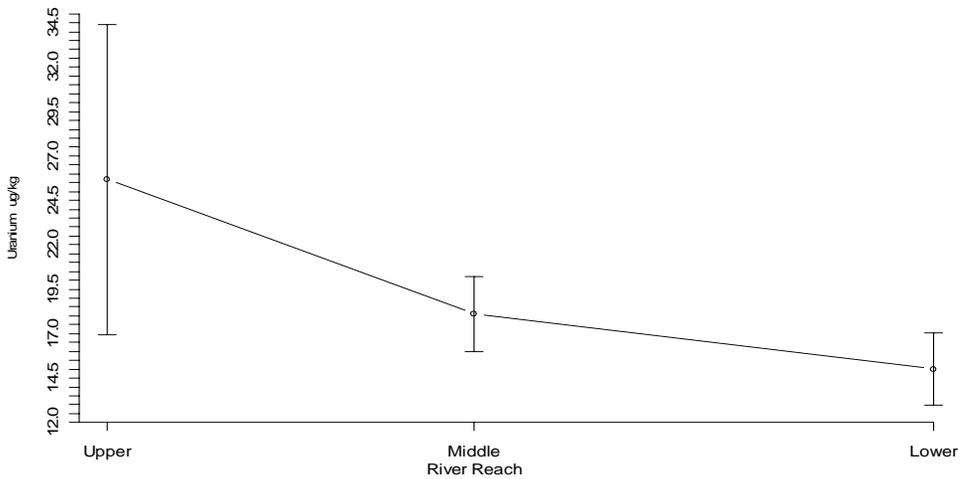


FIGURE E-57
Mean Concentration of Zinc in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

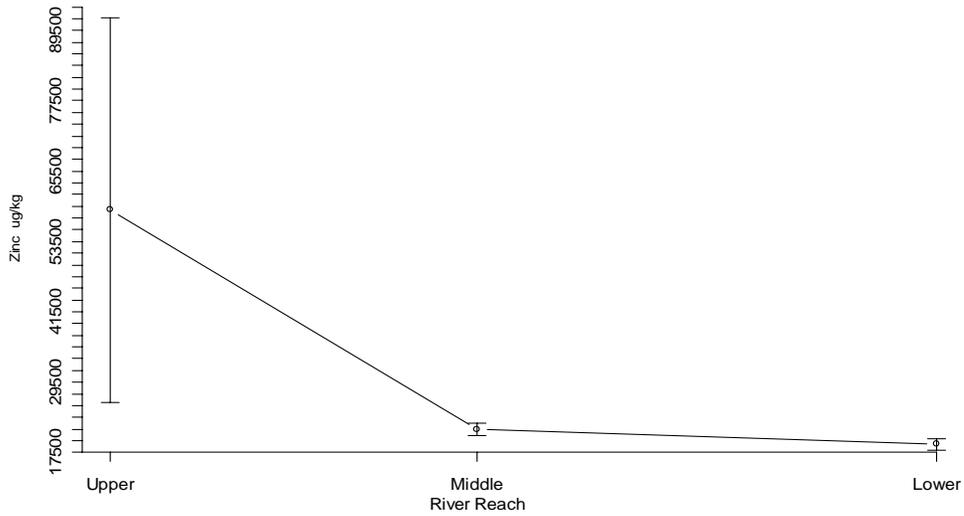


FIGURE E-58
Mean Concentration of Mercury in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

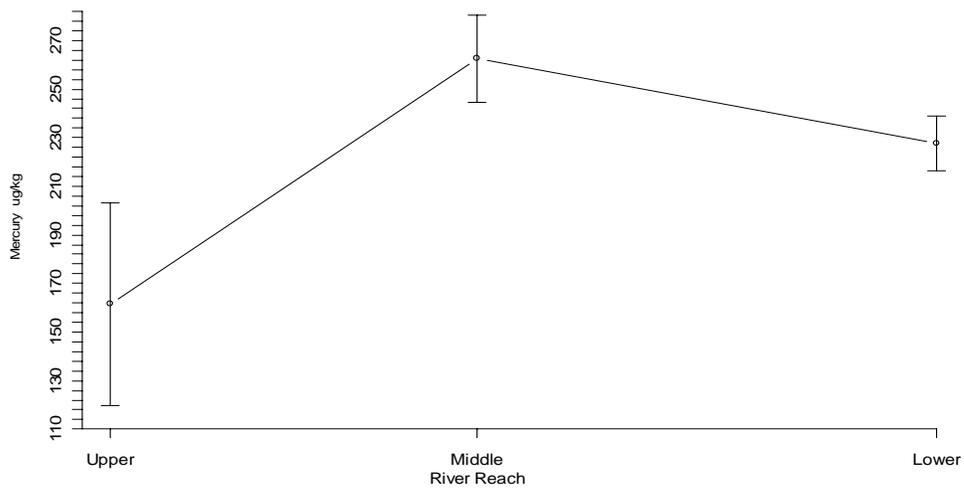


FIGURE E-59
Mean Concentration of TCDF in Whole Sucker by River Ranch (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

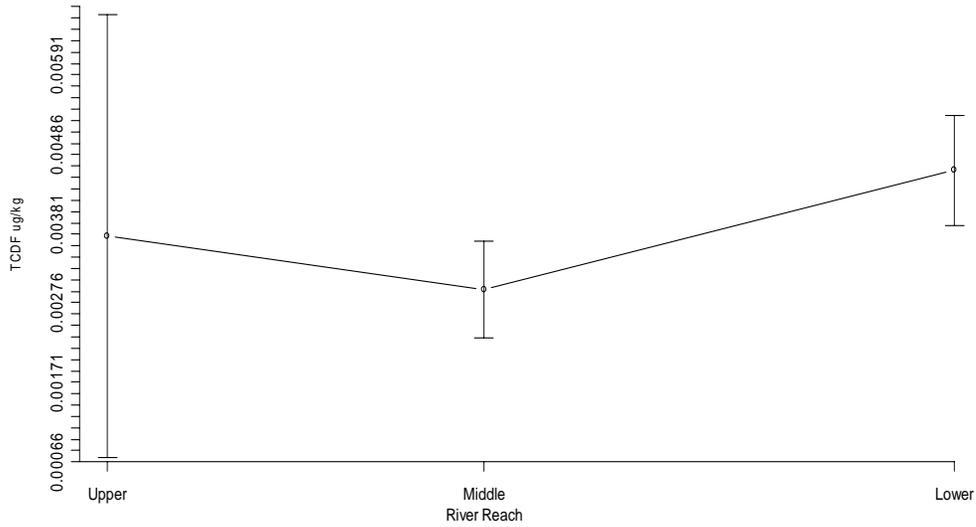


FIGURE E-60
Mean Concentration of Total PCB in Whole Sucker by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

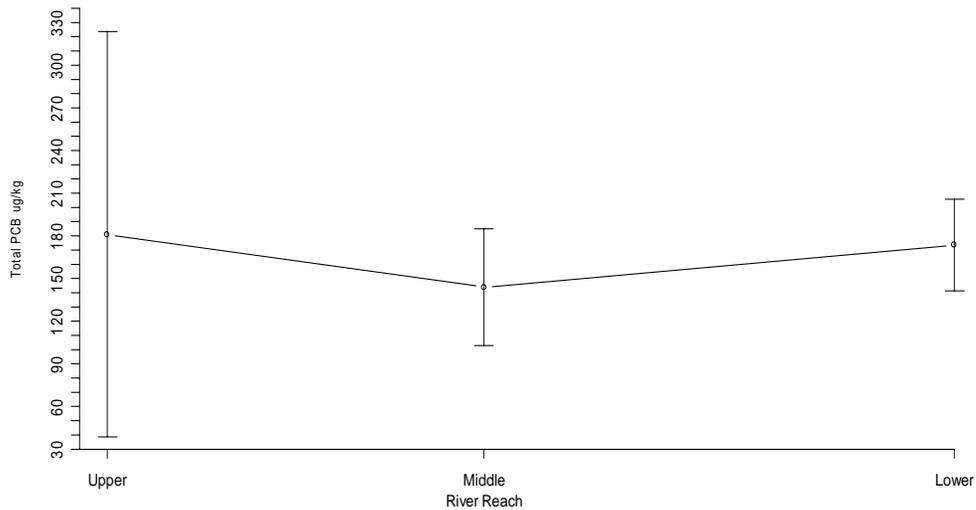


FIGURE E-61
Mean Concentration of Aluminum in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

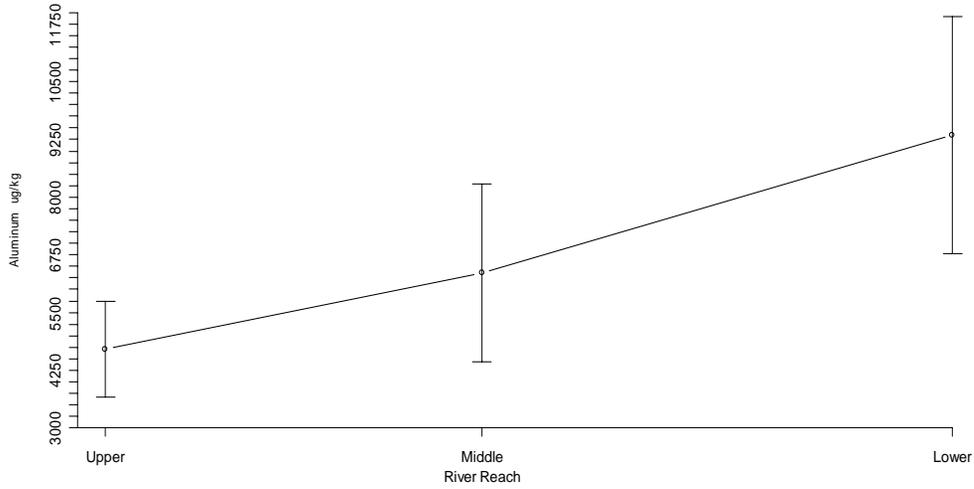


FIGURE E-62
Mean Concentration of Arsenic in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RIFS

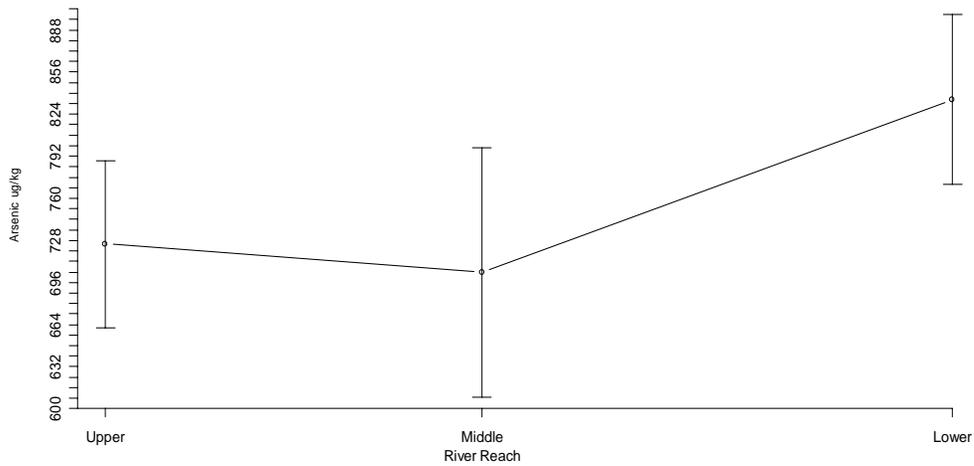


FIGURE E-63
Mean Concentration of Barium in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

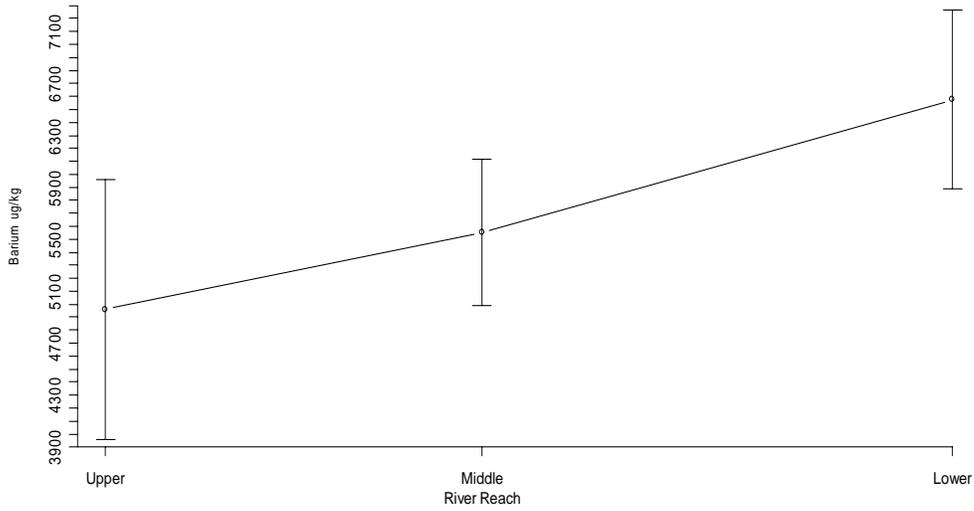


FIGURE E-64
Mean Concentration of Cadmium in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

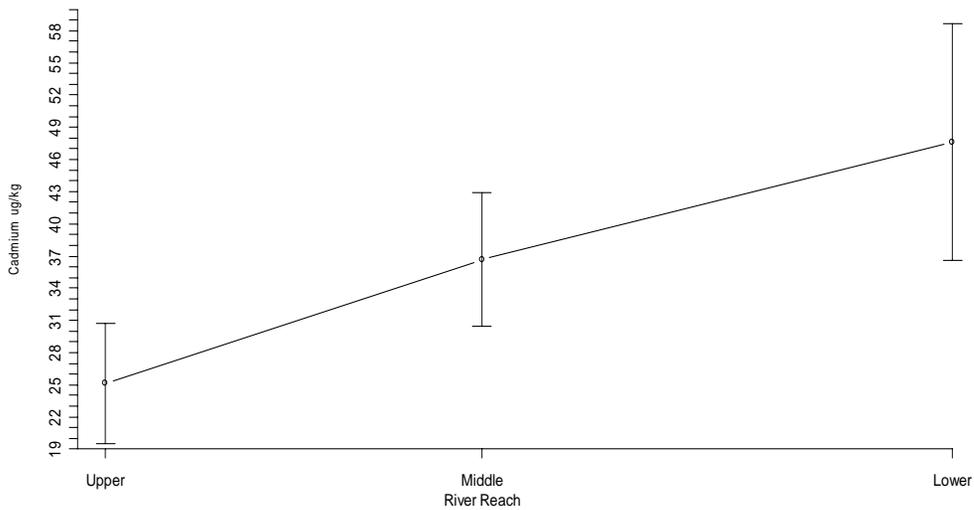


FIGURE E-65
Mean Concentration of Chromium in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic
95% Confidence Intervals
Upper Columbia River RI/FS

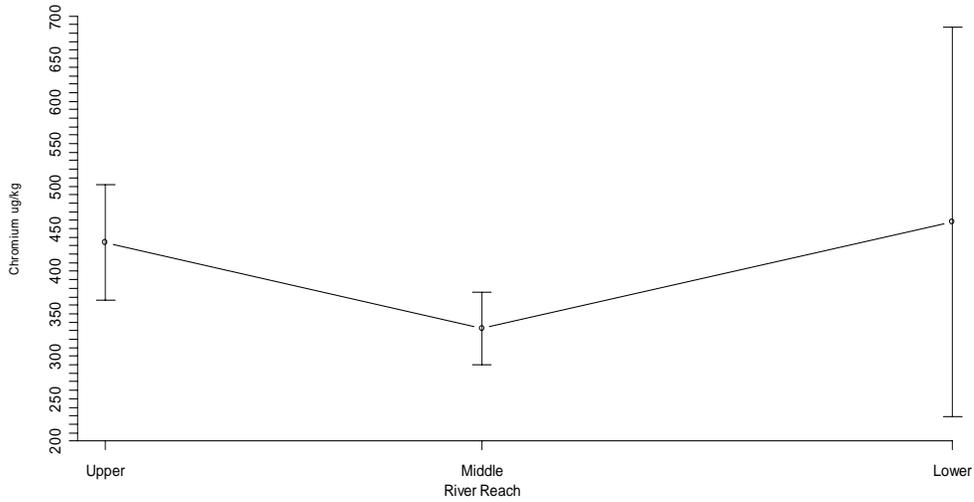


FIGURE E-66
Mean Concentration of Copper in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic
95% Confidence Intervals
Upper Columbia River RI/FS

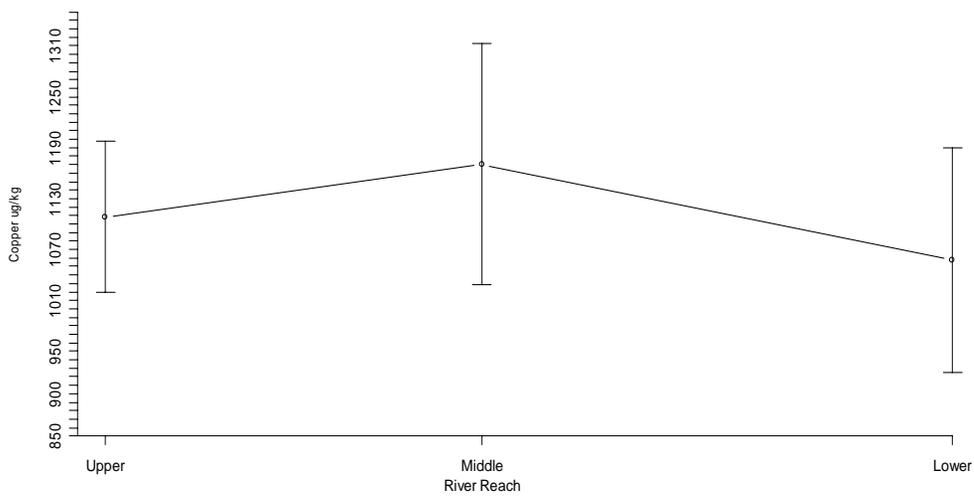


FIGURE E-67
Mean Concentration of Iron in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

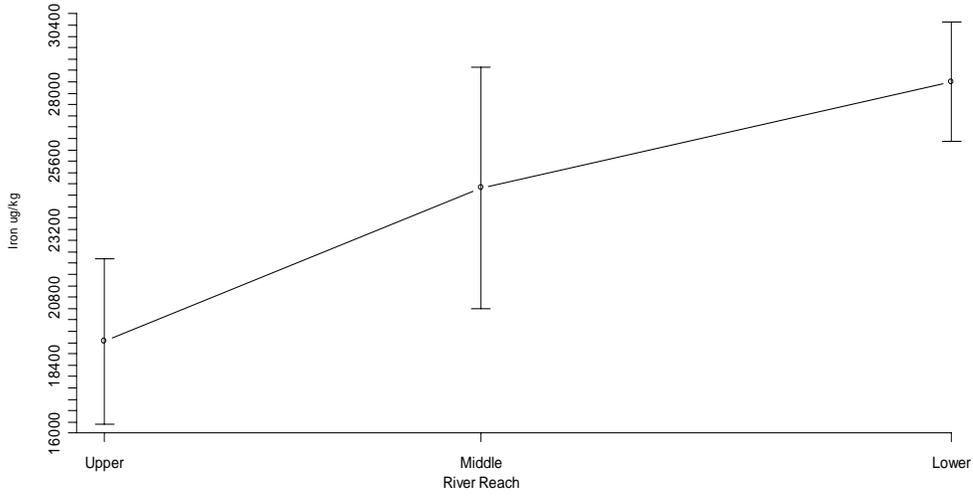


FIGURE E-68
Mean Concentration of Lead in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

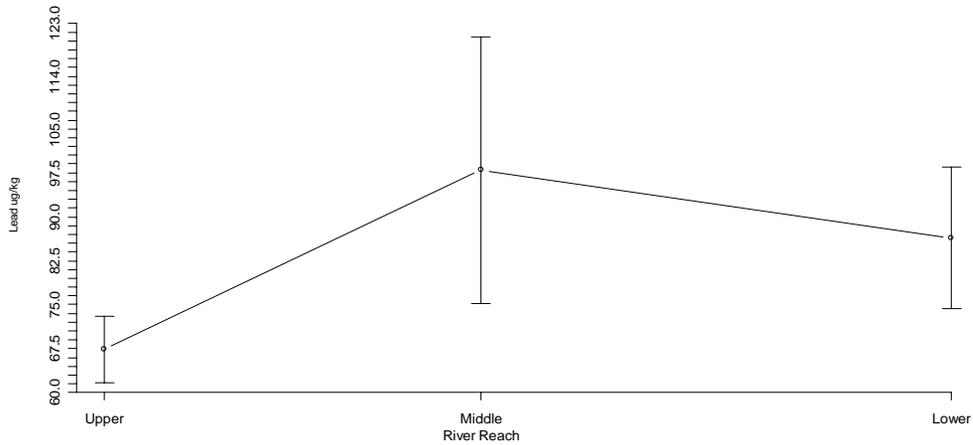


FIGURE E-69
Mean Concentration of Nickel in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic
95% Confidence Intervals
Upper Columbia River RIFS

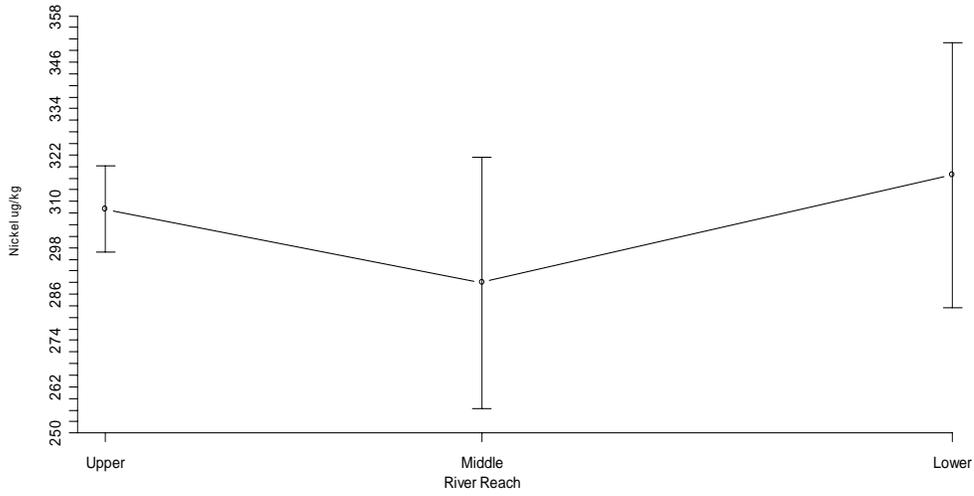


FIGURE E-70
Mean Concentration of Selenium in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic
95% Confidence Intervals
Upper Columbia River RIFS

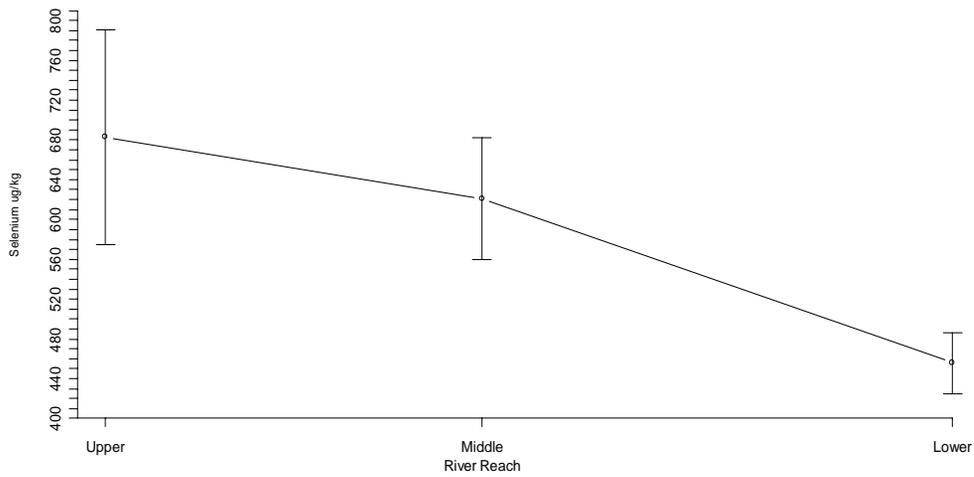


FIGURE E-71

Mean Concentration of Uranium in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

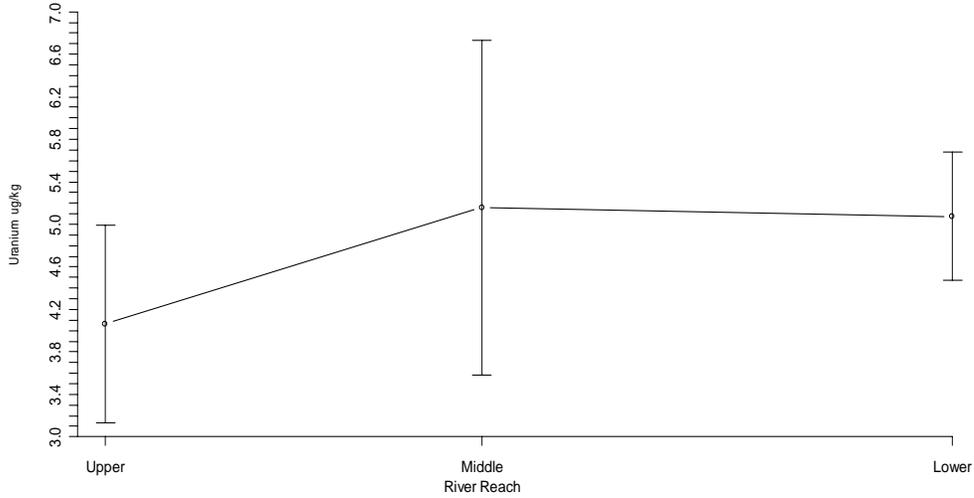


FIGURE E-72

Mean Concentration of Zinc in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

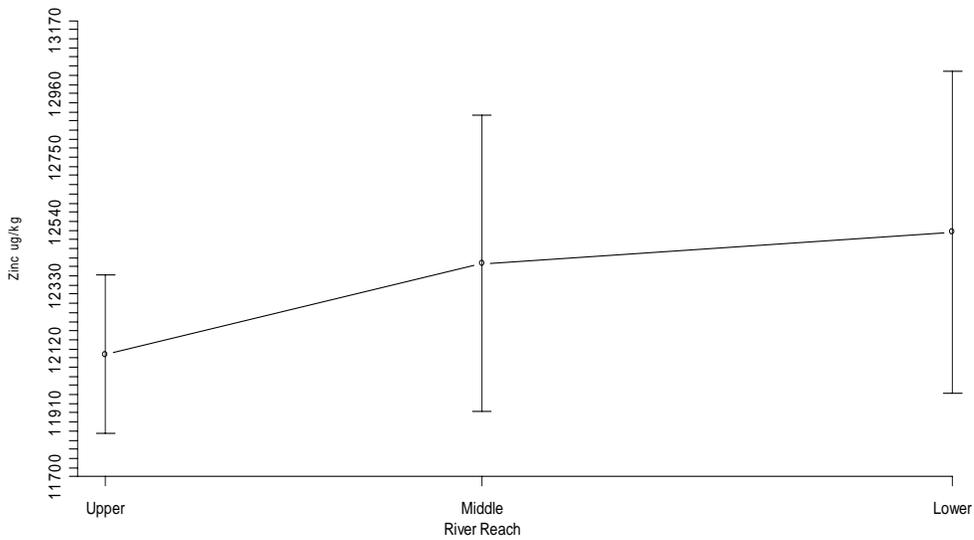


FIGURE E-73
Mean Concentration of Mercury in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

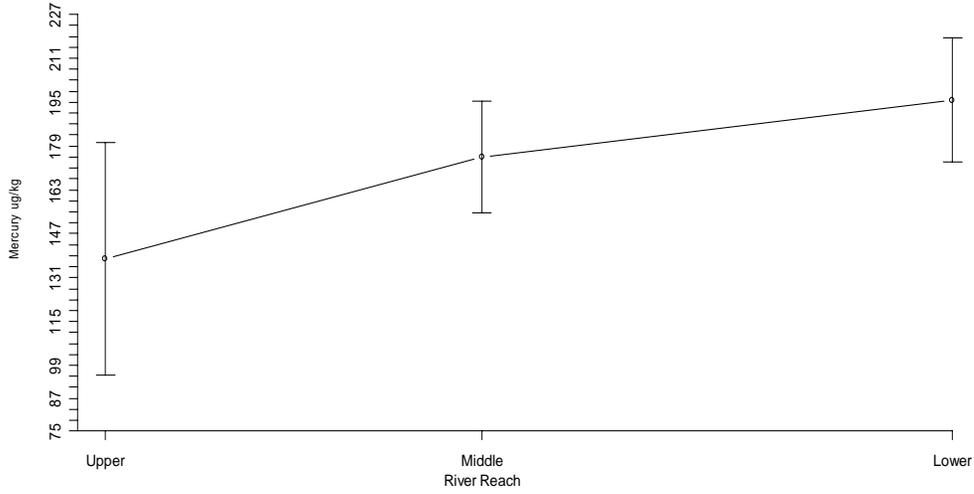


FIGURE E-74
Mean Concentration of Total PCB in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic 95% Confidence Intervals
Upper Columbia River RI/FS

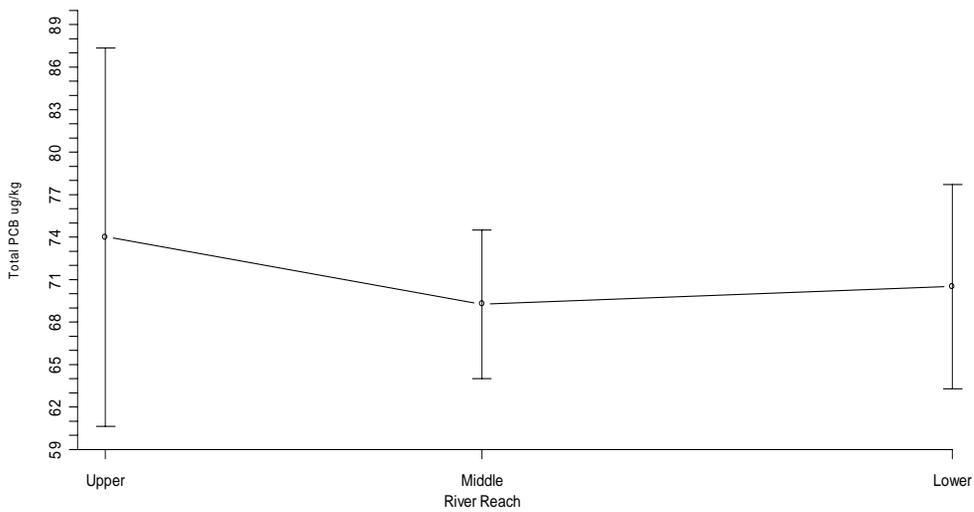


FIGURE E-75
Mean Concentration of TCDF in Whole Burbot by River Reach (Lower, Middle and Upper) and Associated Asymptotic
95% Confidence Intervals
Upper Columbia River RI/FS

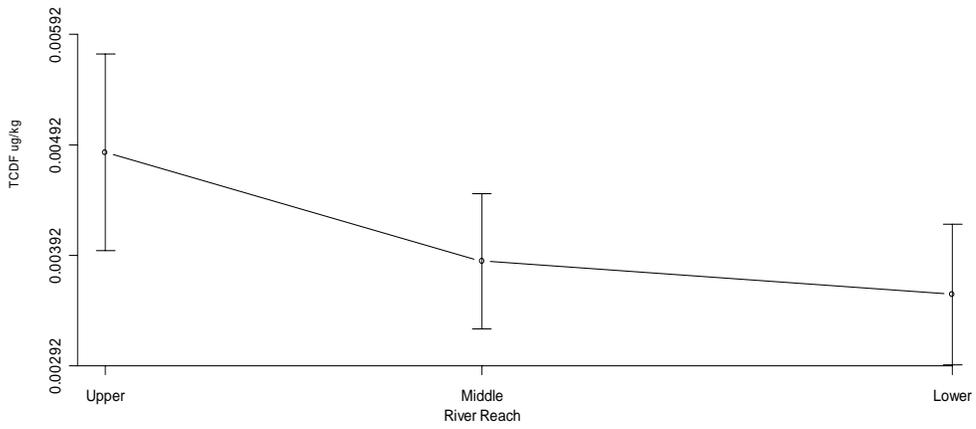


FIGURE E-76
 Mean Concentration of Aluminum by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 19,630 $\mu\text{g}/\text{kg}$
 Upper Columbia River RIFS

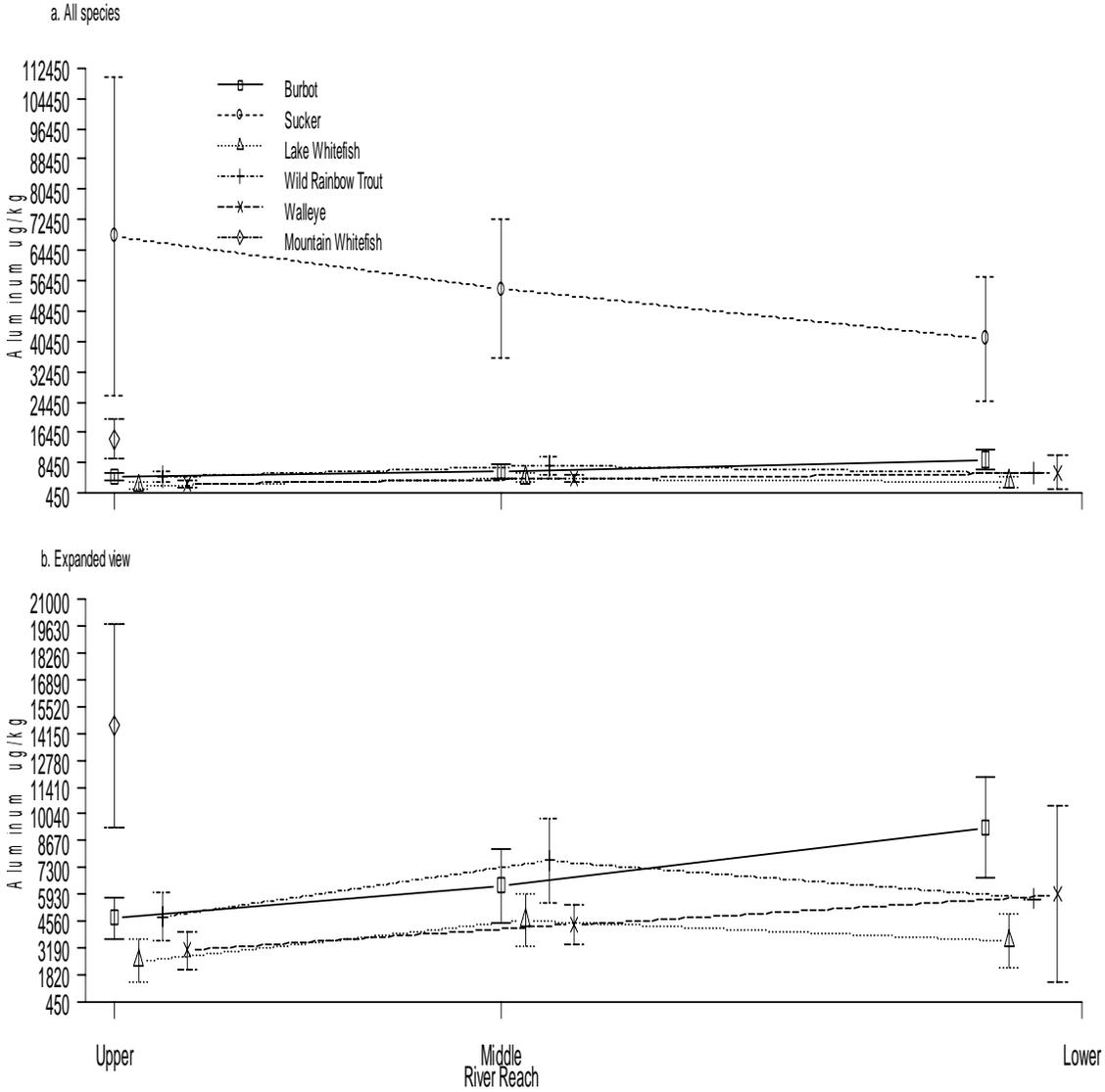


FIGURE E-77

Mean Concentration of Arsenic by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 300 $\mu\text{g}/\text{kg}$
 Upper Columbia River RI/FS

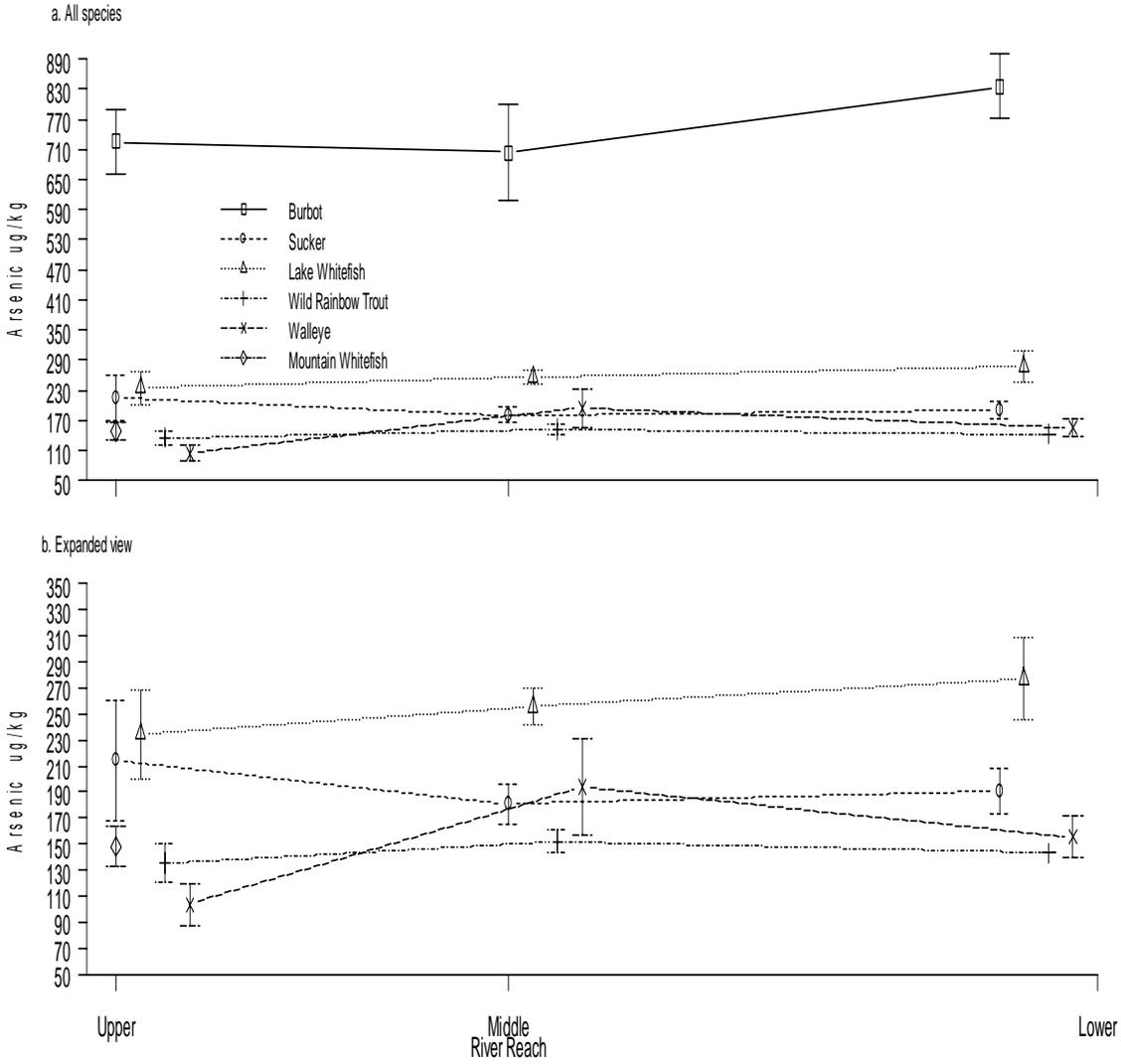


FIGURE E-78
Mean Concentration of Barium by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 1450 $\mu\text{g}/\text{kg}$
Upper Columbia River RI/FS

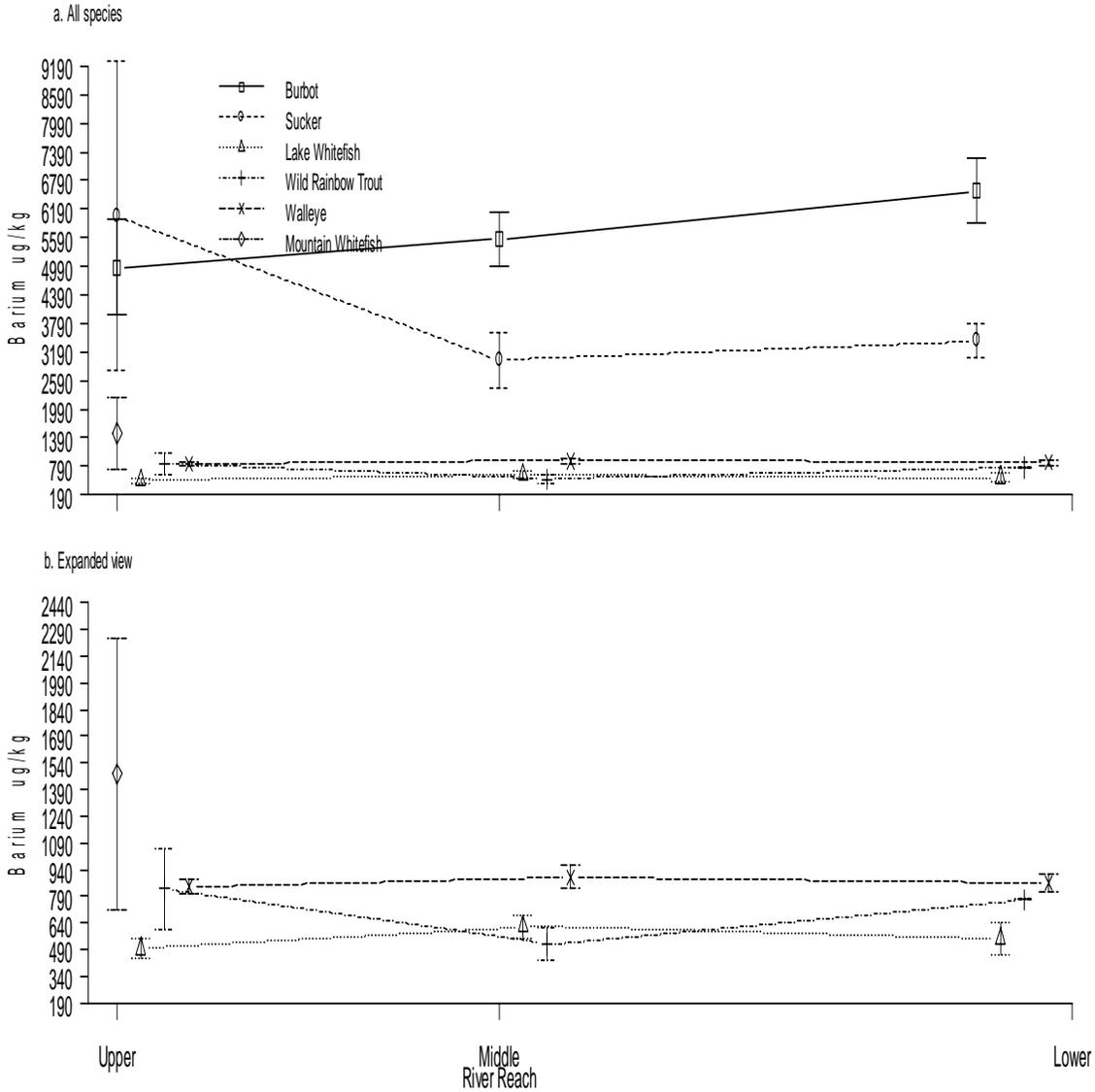


FIGURE E-79
 Mean Concentration of Cadmium by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 130 µg/kg
 Upper Columbia River RI/FS

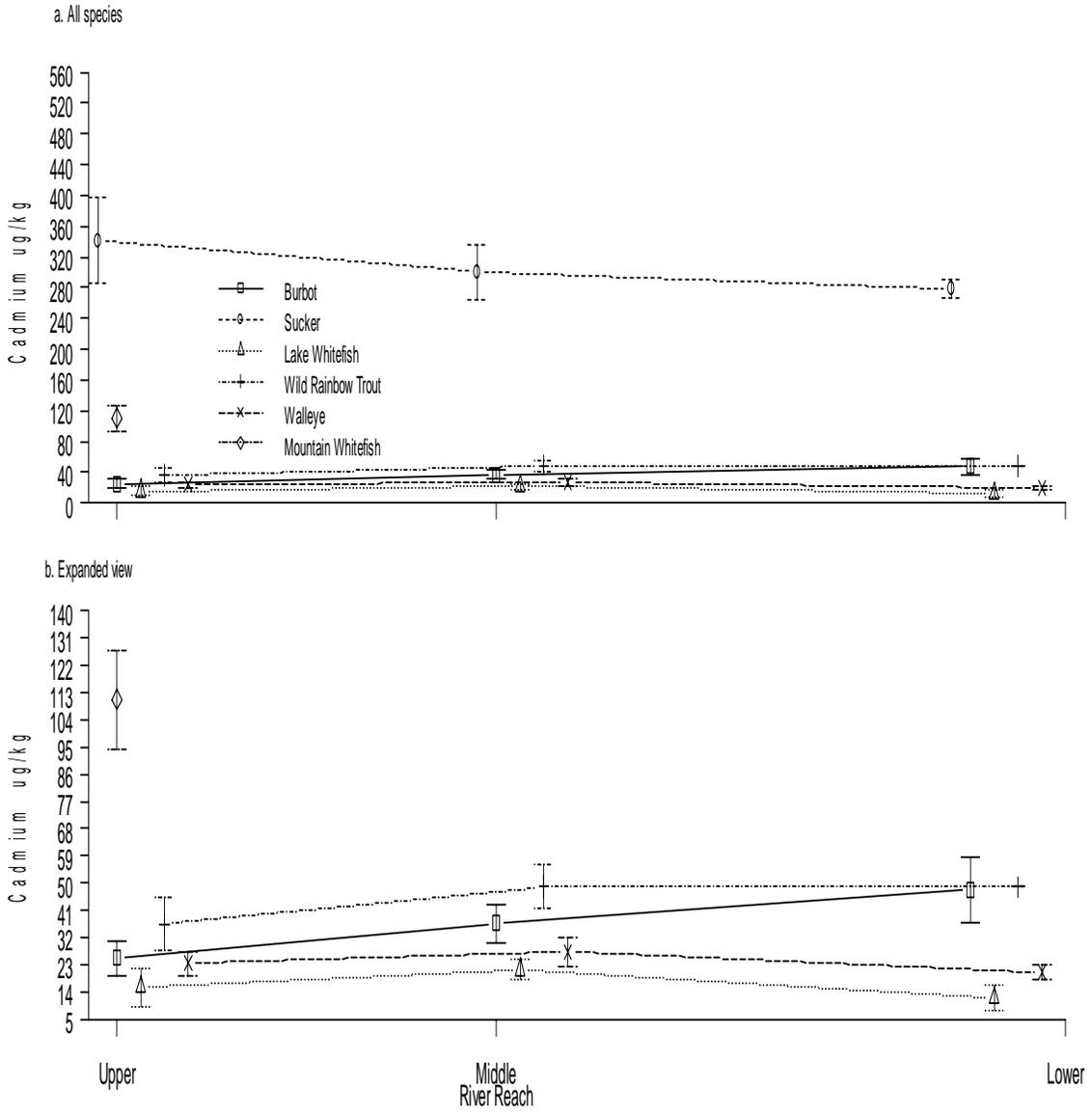


FIGURE E-80
 Mean Concentration of Chromium by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 1150 $\mu\text{g}/\text{kg}$
 Upper Columbia River RI/FS

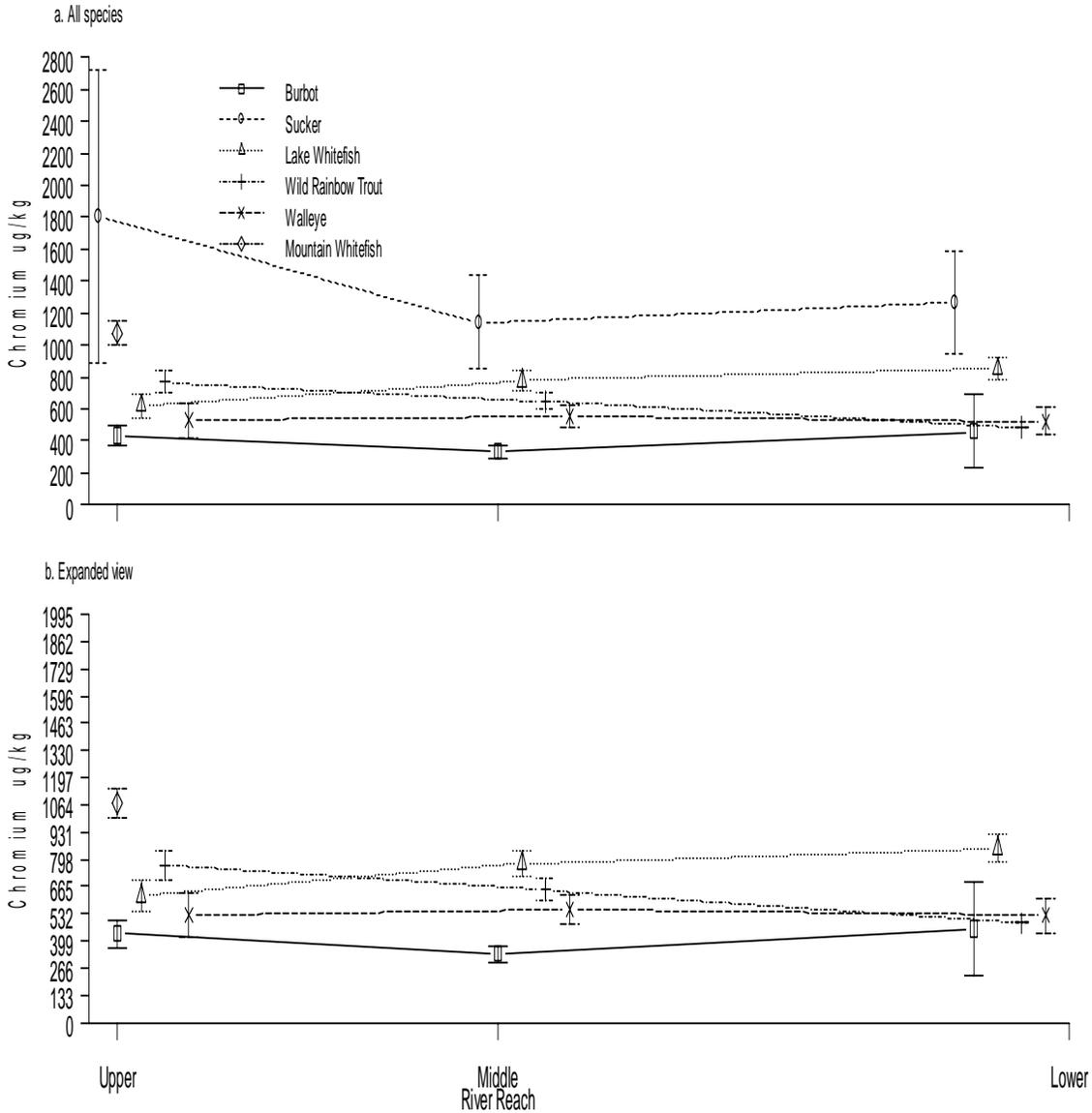


FIGURE E-81

Mean Concentration of Copper in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 1750 µg/kg
 Upper Columbia River RI/FS

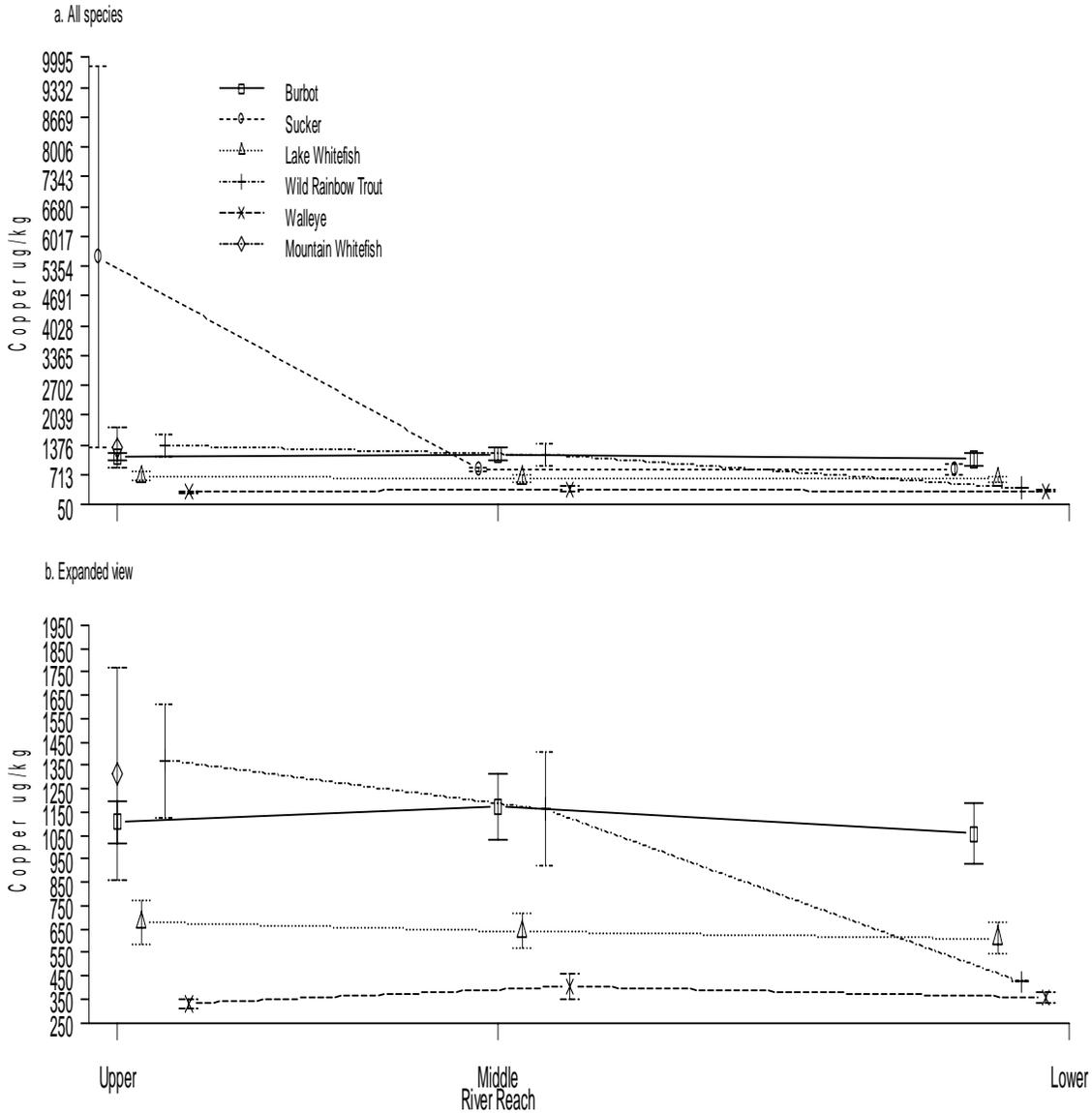


FIGURE E-82
 Mean Concentration of Iron in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 29,000 µg/kg
 Upper Columbia River RIFS

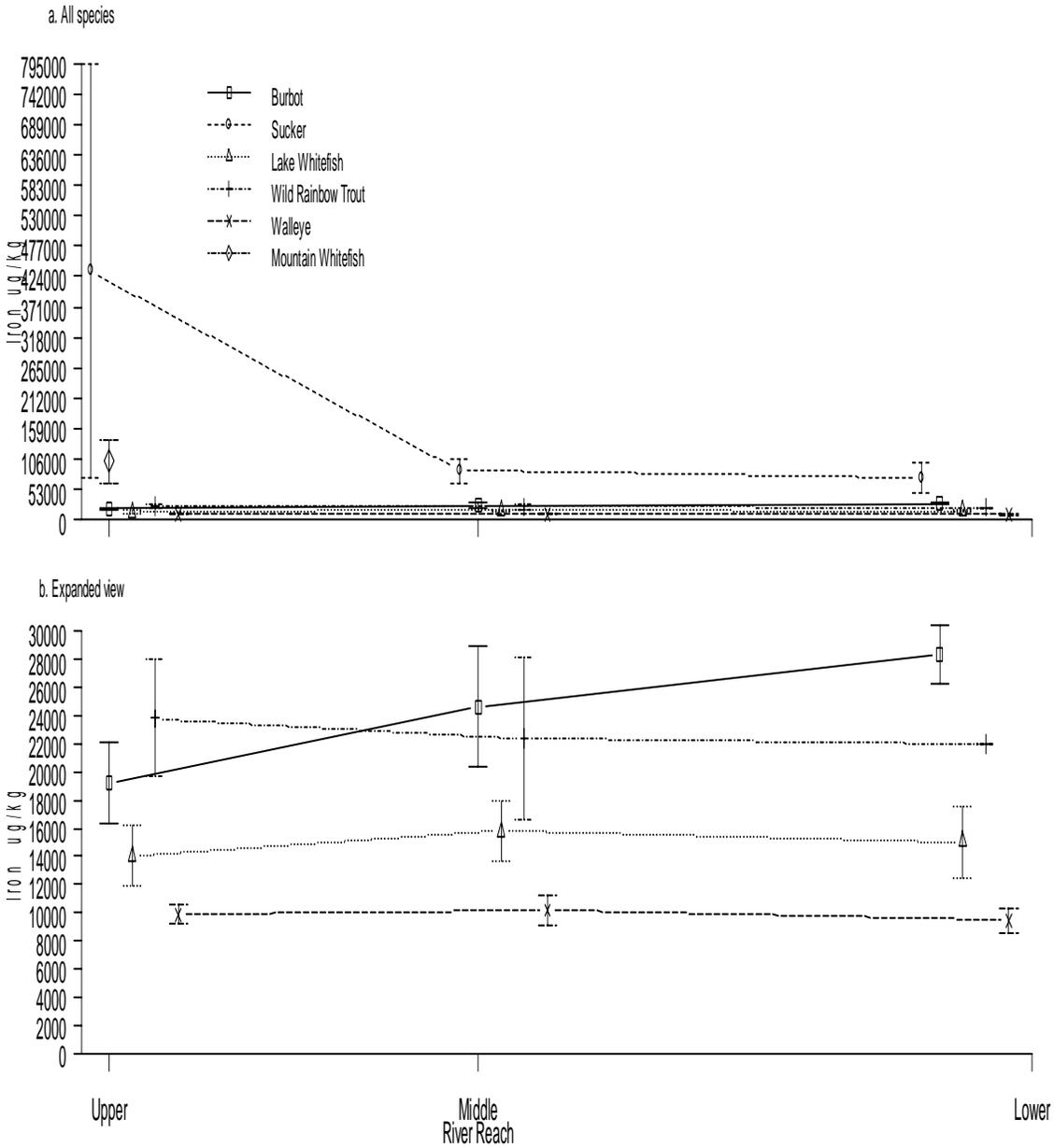


FIGURE E-83
 Mean Concentration of Lead in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 140 $\mu\text{g}/\text{kg}$
 Upper Columbia River RI/FS

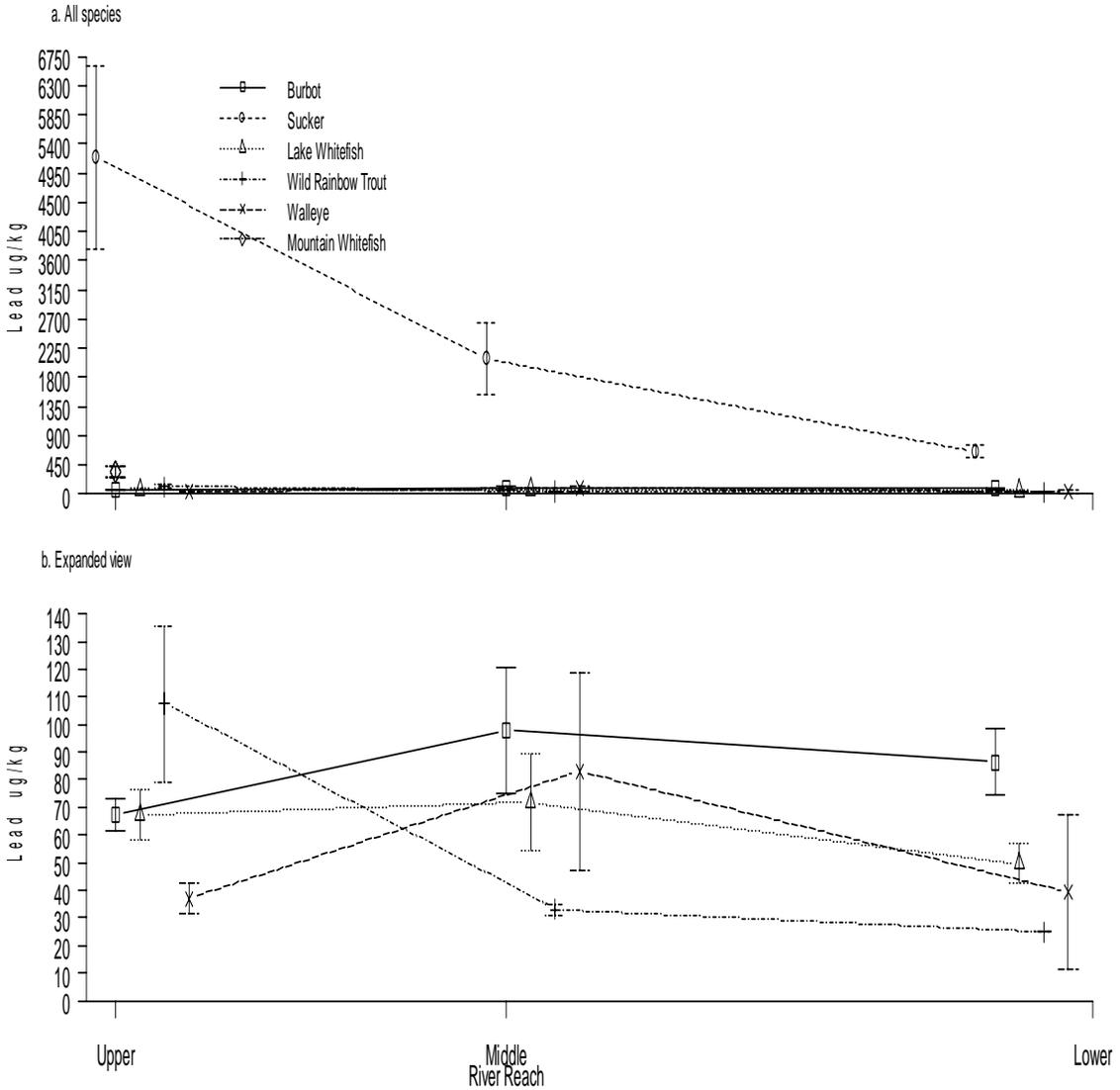


FIGURE E-84
 Mean Concentration of Nickel in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 430 $\mu\text{g}/\text{kg}$
 Upper Columbia River RIFS

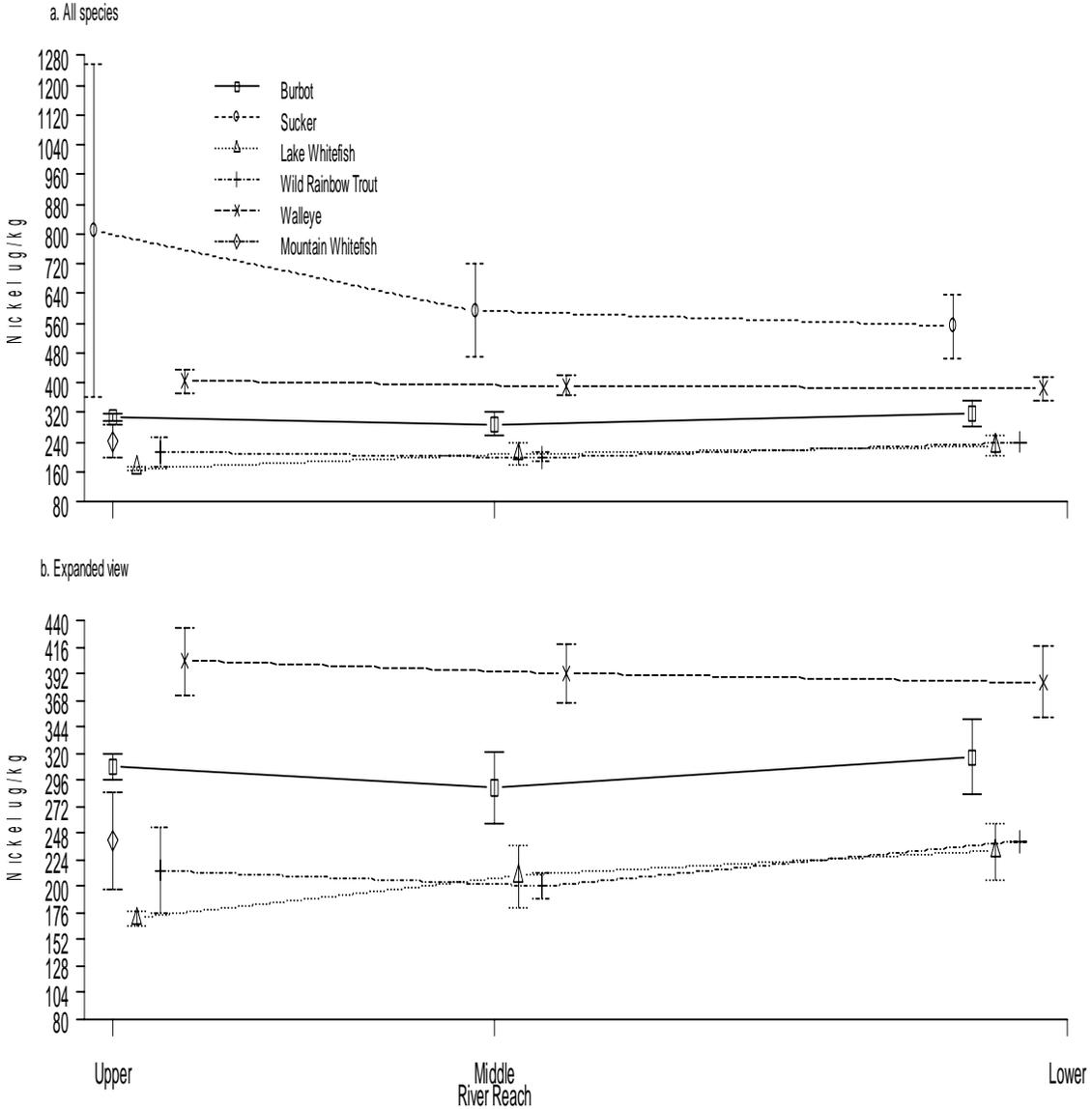


FIGURE E-85
Mean Concentration of Selenium in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic
95% Confidence Intervals
Upper Columbia River RI/FS

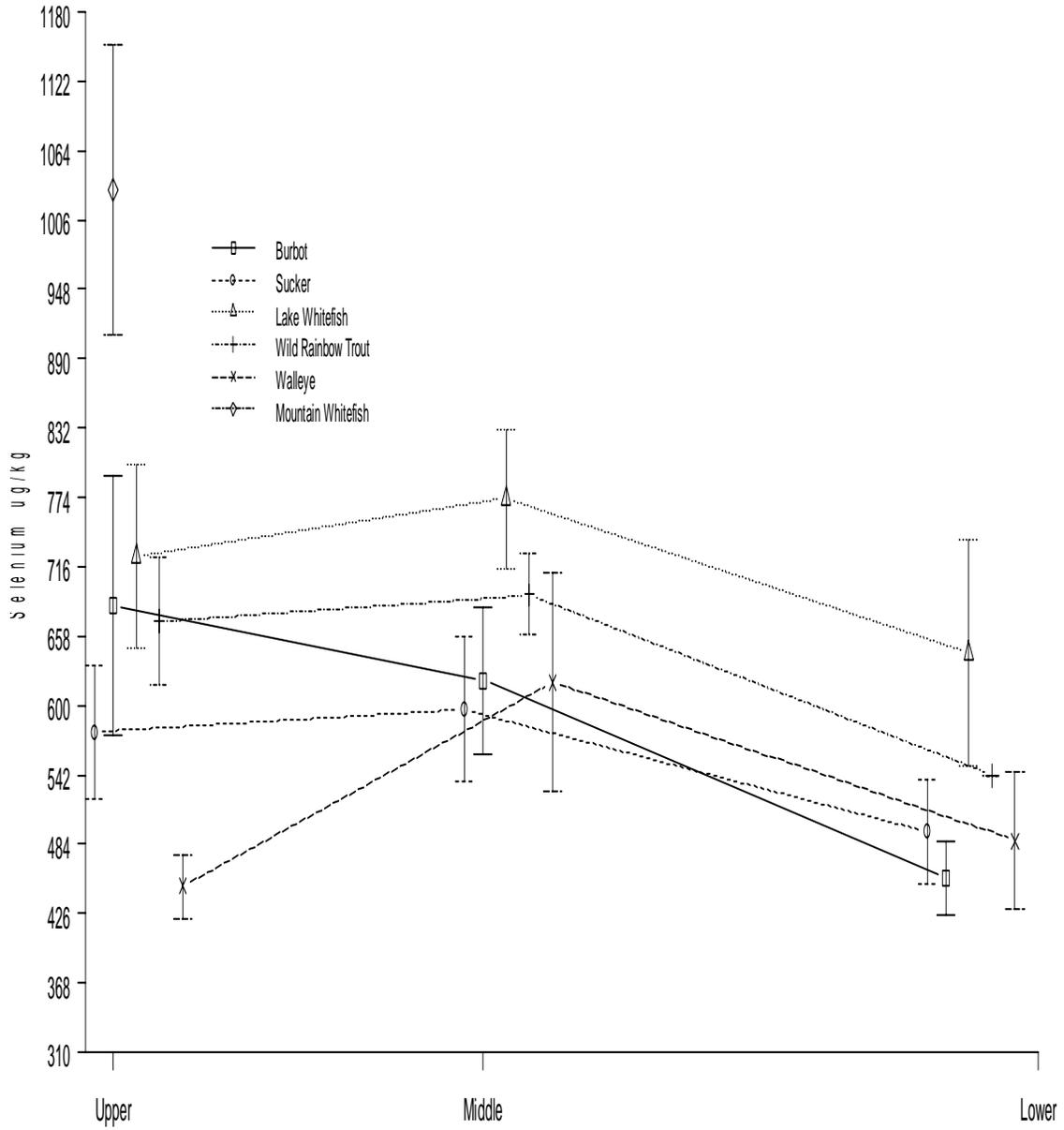


FIGURE E-86
 Mean Concentration of Uranium by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 7.0 µg/kg
 Upper Columbia River RIFS

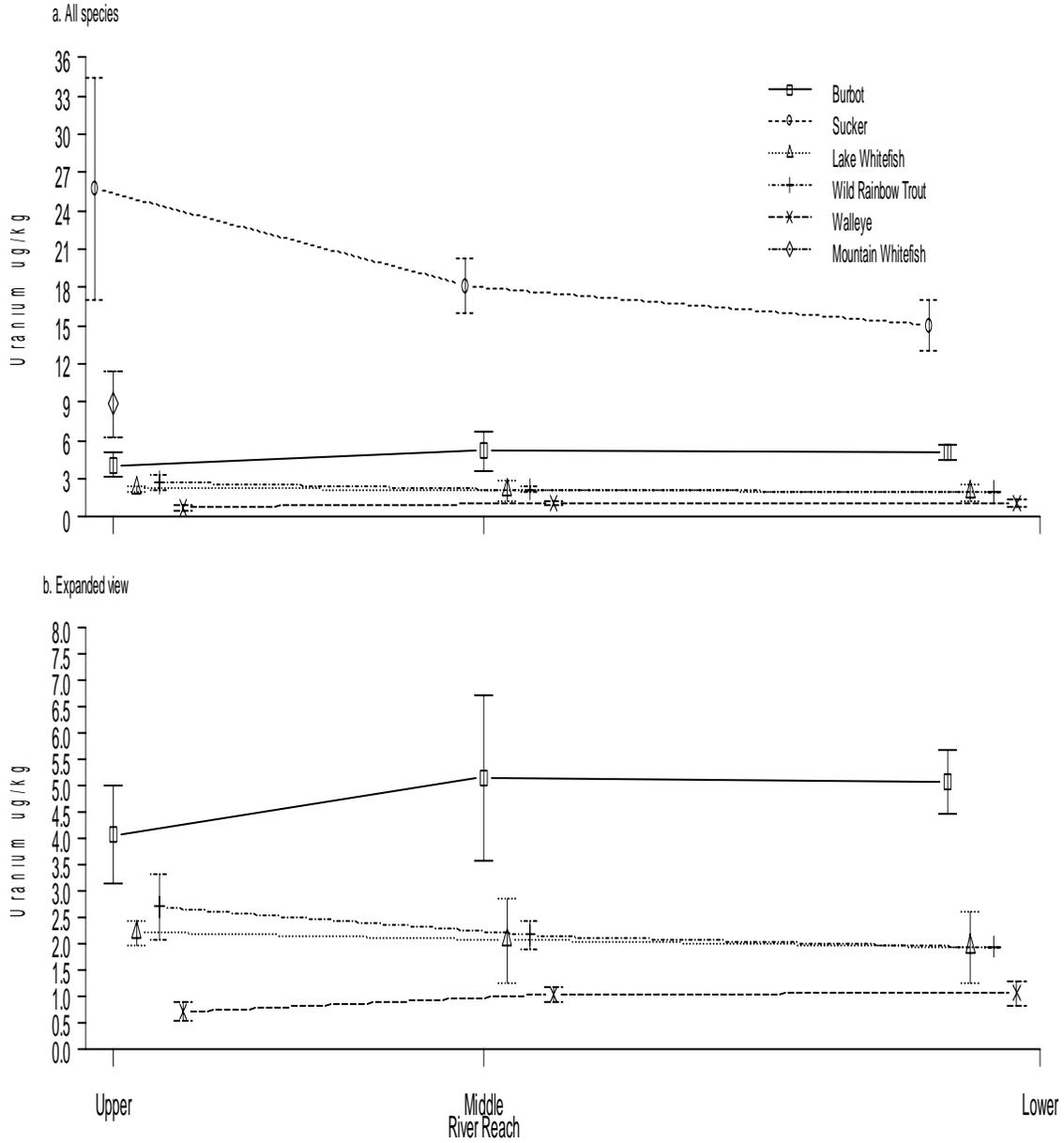


FIGURE E-87

Mean Concentration of Zinc by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for
 a) All Species b) Expanded Plot for Species with Concentrations Less than 13,000 $\mu\text{g}/\text{kg}$
 Upper Columbia River RI/FS

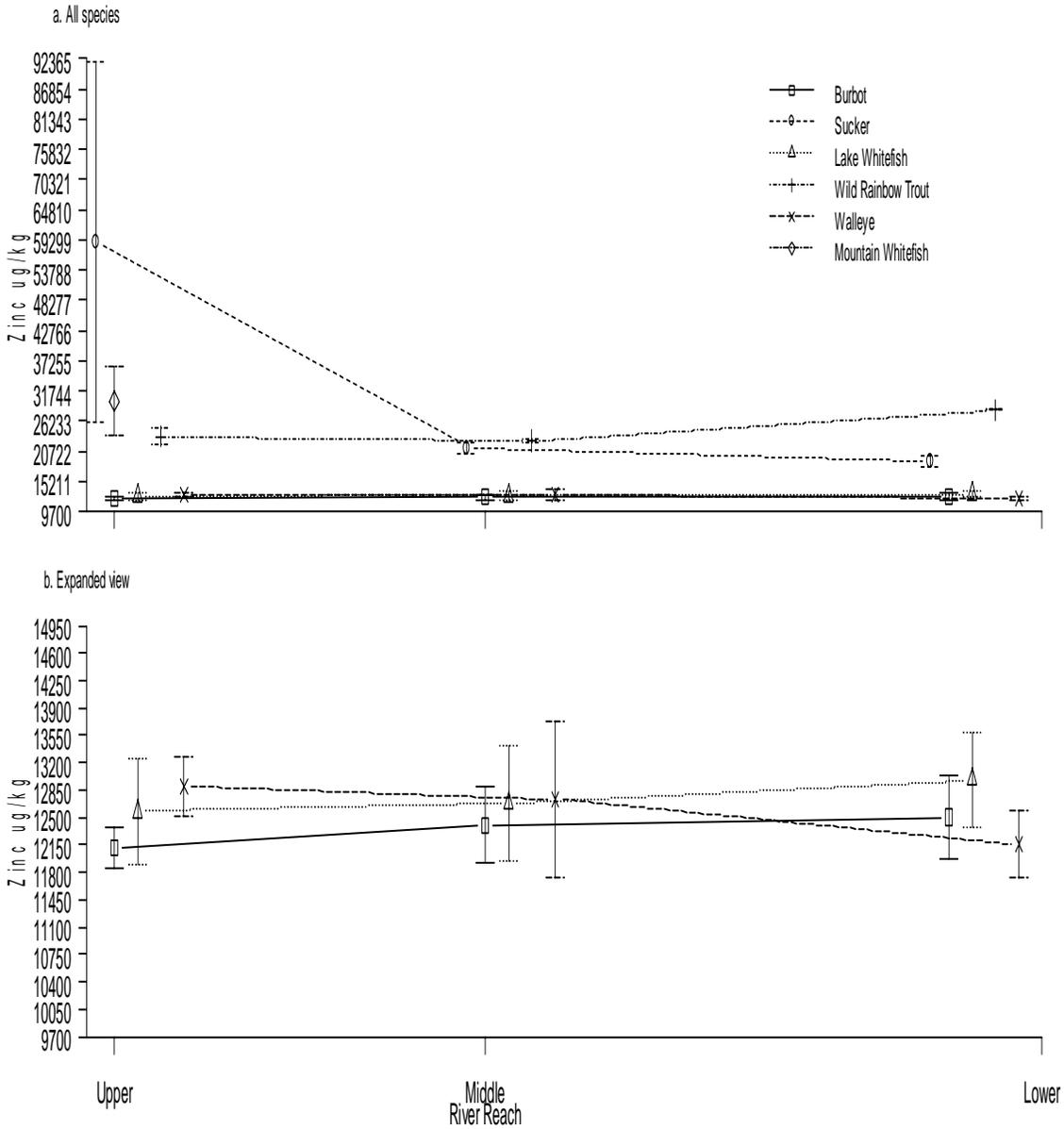


FIGURE E-88

Mean Concentration of Mercury in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 90 $\mu\text{g}/\text{kg}$ Upper Columbia River RIFS

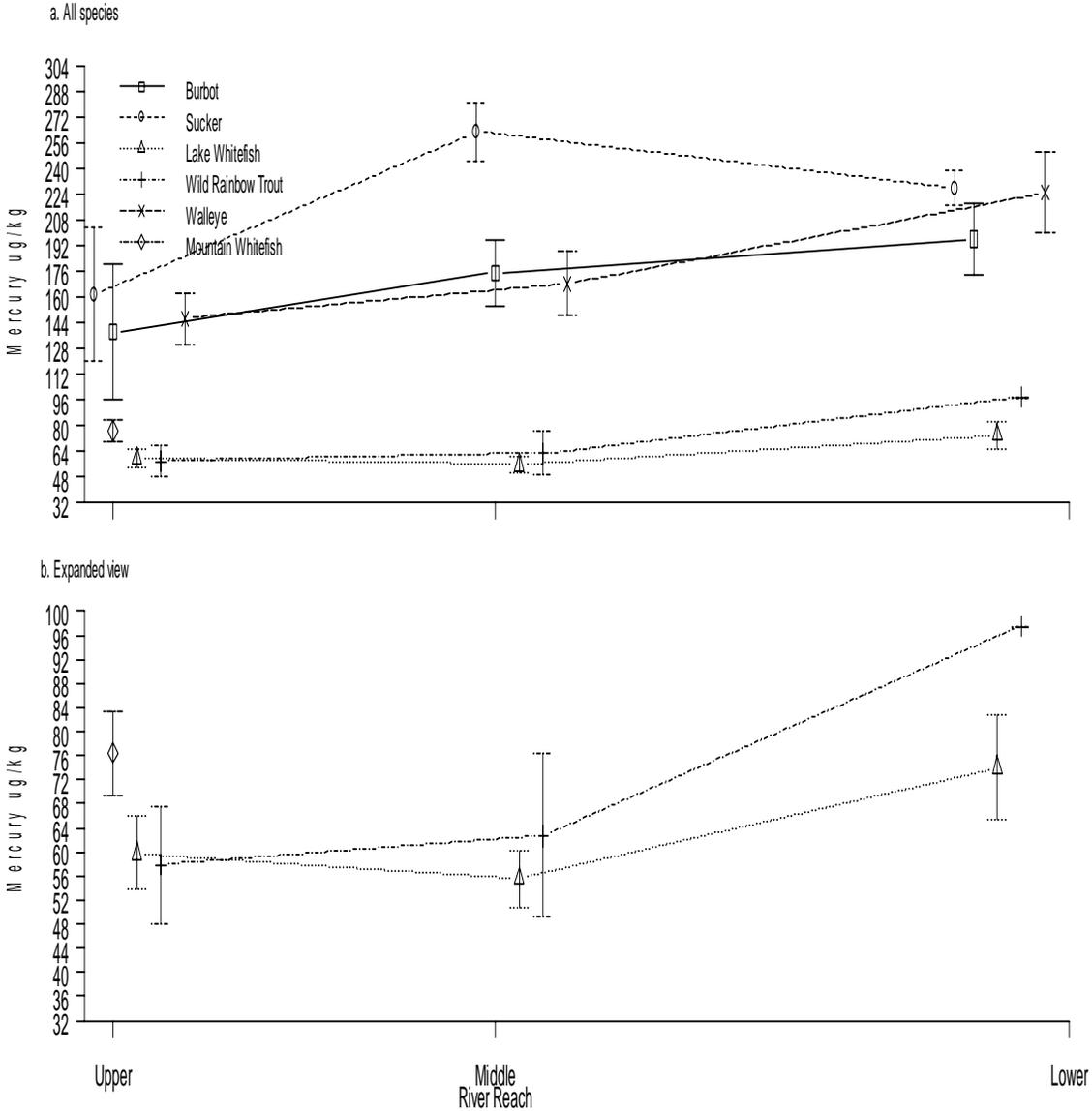


FIGURE E-89
 Mean Concentration of Total PCB by Reach (Upper, Middle, and Lower) with Associated Asymptotic 95% Confidence Intervals for a) All Species b) Expanded Plot for Species with Concentrations Less than 110 µg/kg
 Upper Columbia River RI/FS

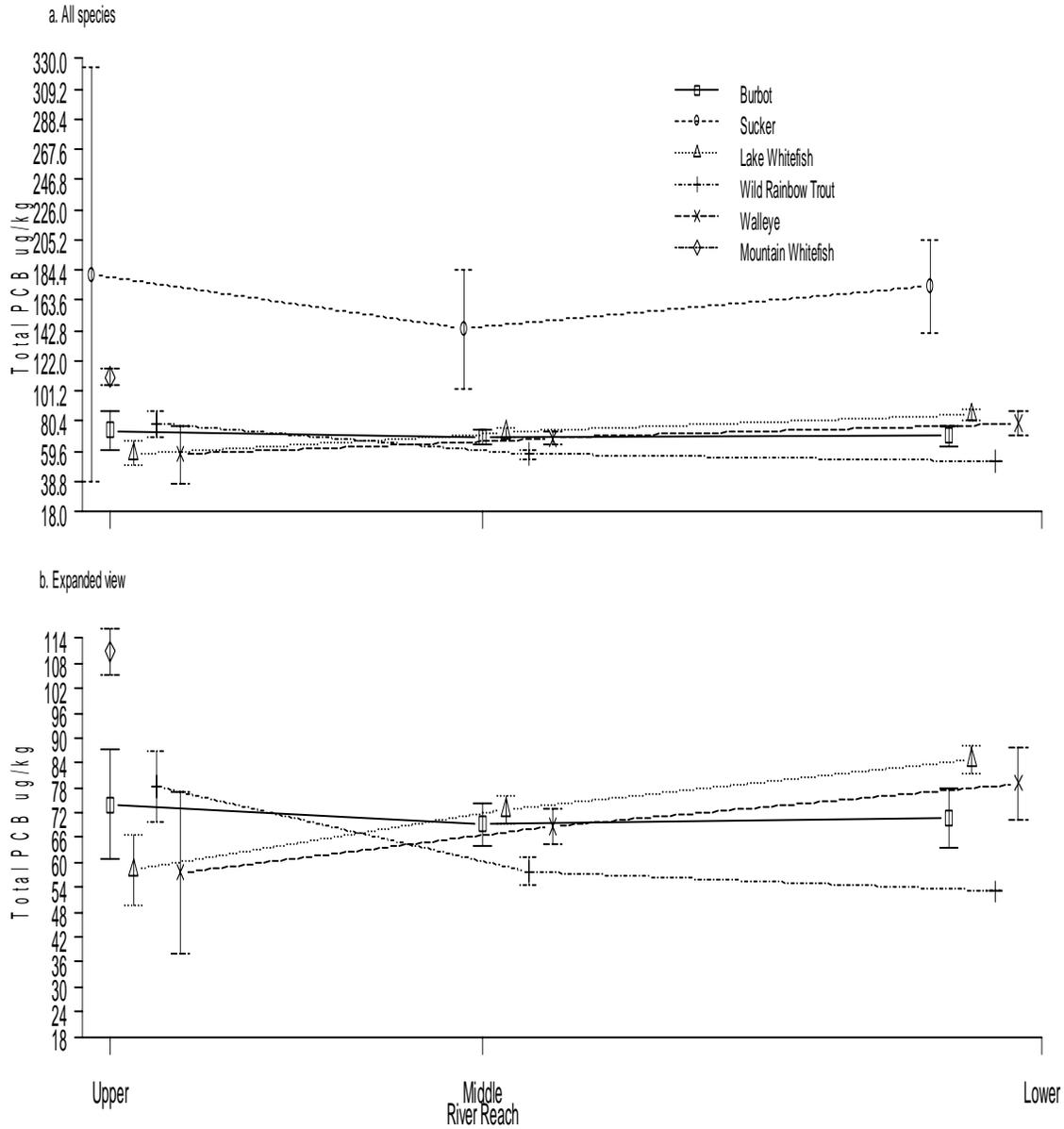


FIGURE E-90
 Mean Concentration of TCDF in Whole Fish by Reach (Upper, Middle, and Lower) with Associated Asymptotic
 95% Confidence Intervals
Upper Columbia River RI/FS

